

Radio **AMATEUR** Call Book Magazine

\$3.00
Foreign
\$3.25



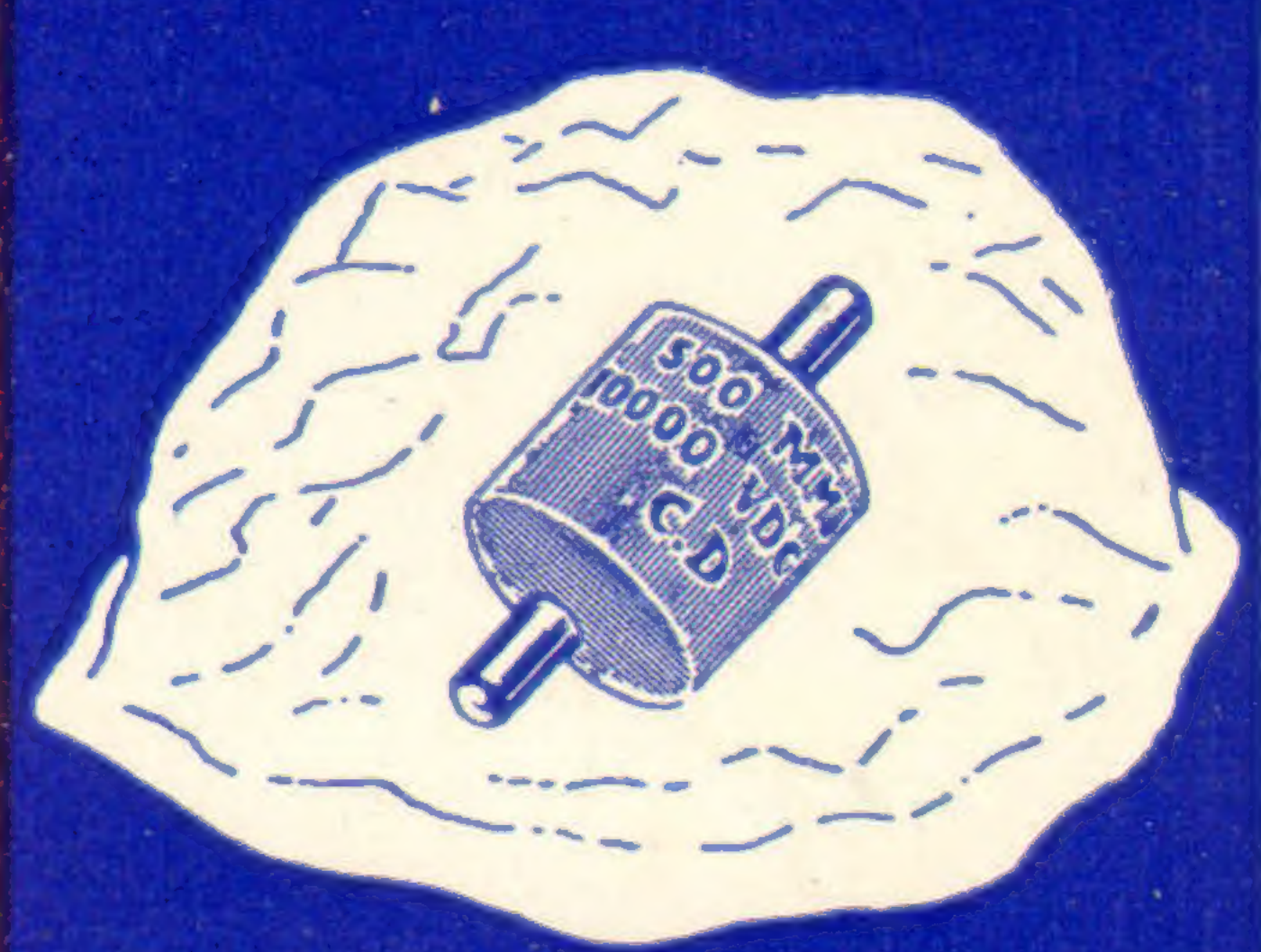
FALL 1953

Why Take a Chance?

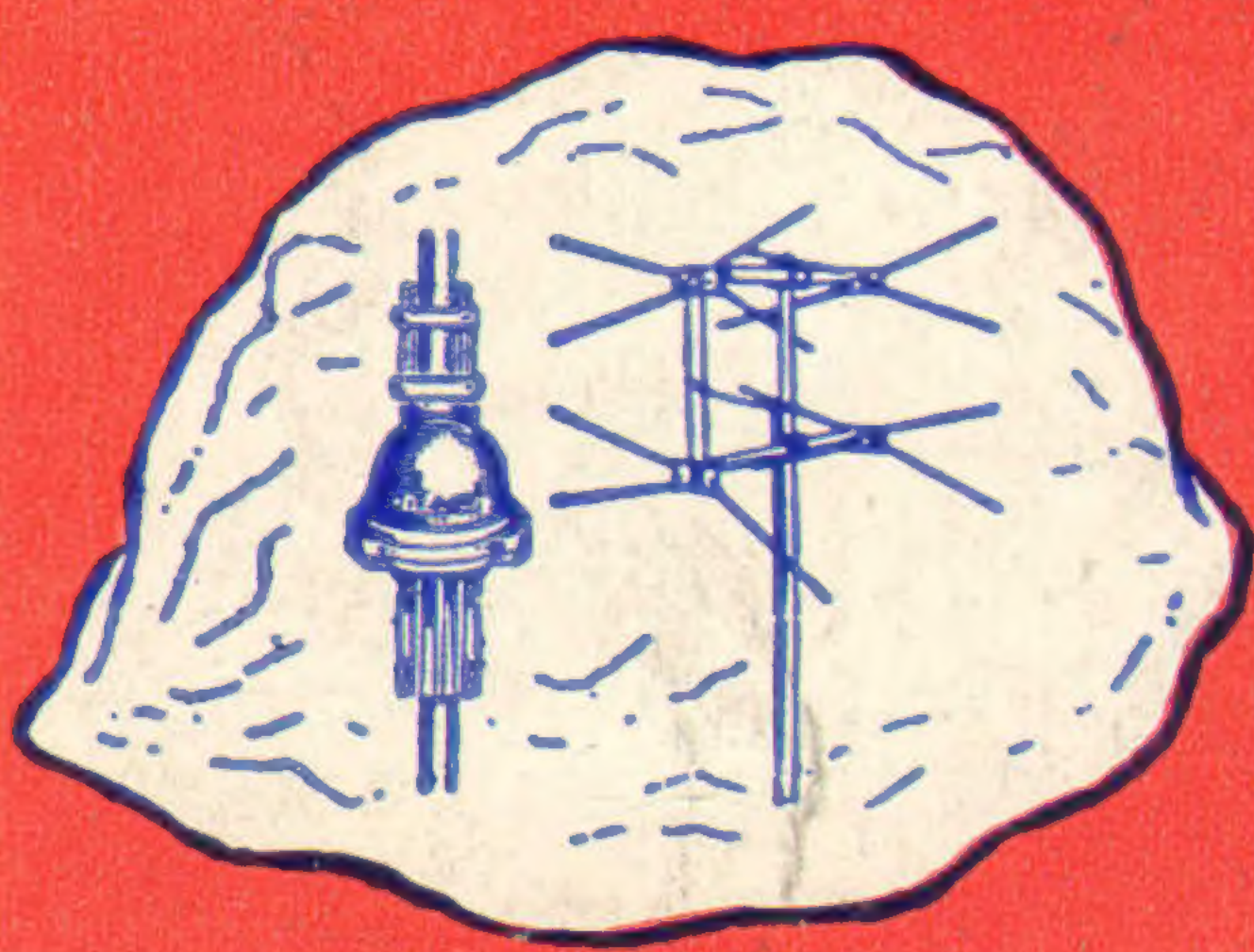
You
know
what's under
these
shells... *consistently dependable*



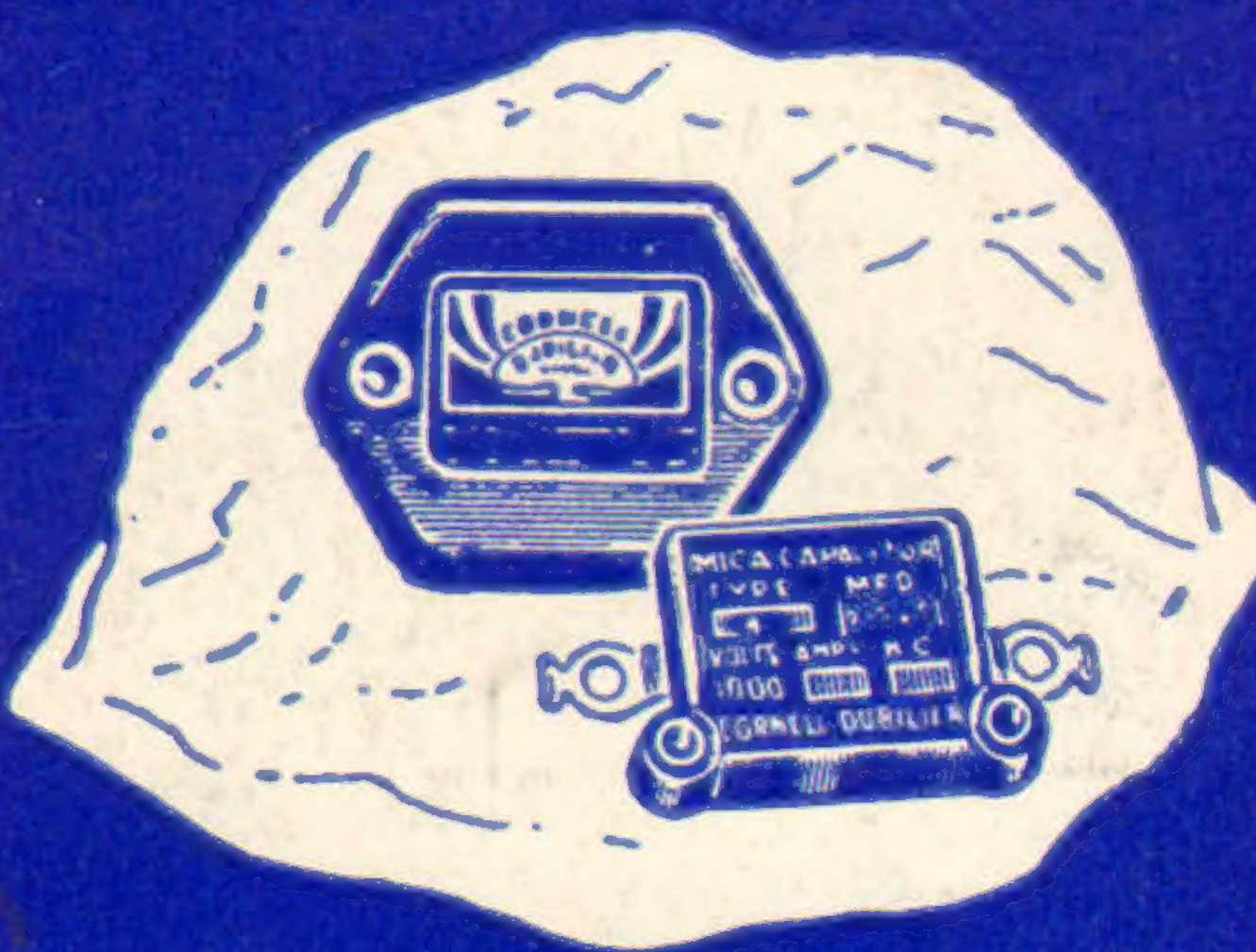
Type TJ Dykanol Transmitter Capacitors. In all popular capacities from 600 V.D.C. to 6,000 V.D.C.



Type Mity Mike TV Ceramic Capacitors. Hi-insulation resistance, low P.F. For 10,000 and 20,000 V.D.C.



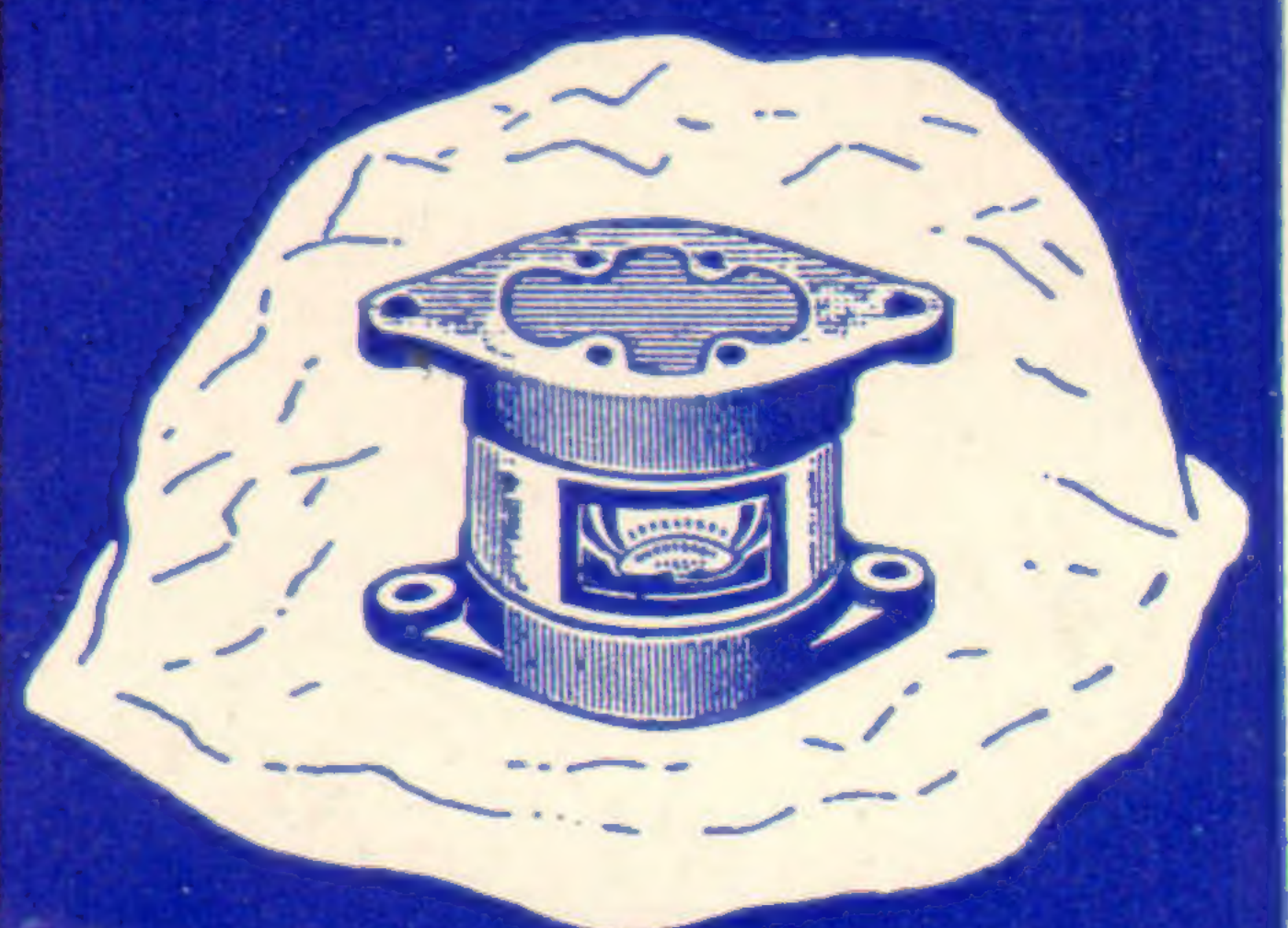
Type TR Rotators. Will handle 7/8" to 2" O.D. upper and lower masts. Heavy duty motor.



Types 9 and 4 Moulded Transmitter Capacitors. For grid, plate blocking and r.f. bypass.

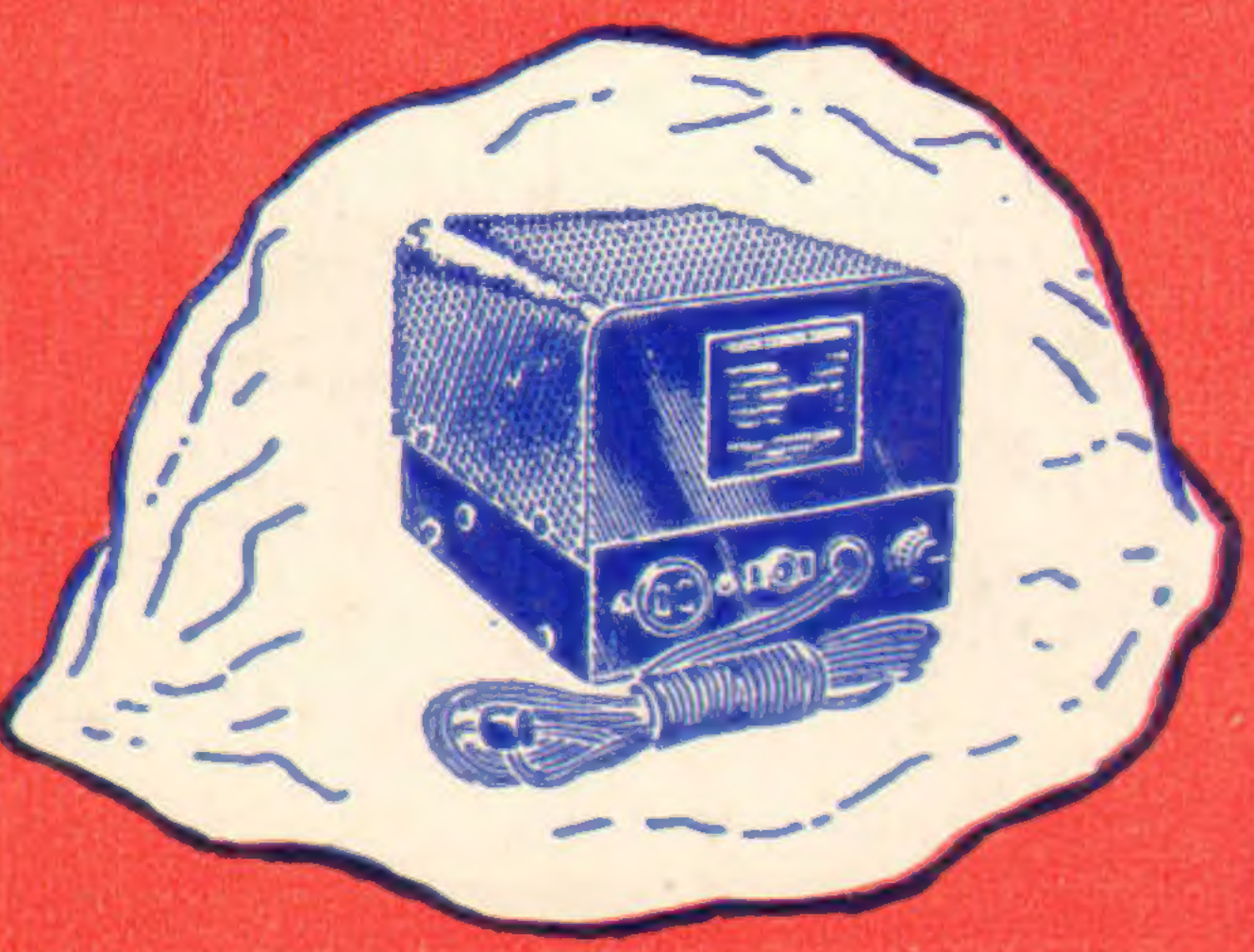


Quietone Vibrators. They're quieter, longer lasting. Complete range.



Type 50 series Mica XMTR Capacitors in glazed, low-loss ceramic case. Industry standard for over 42 years.

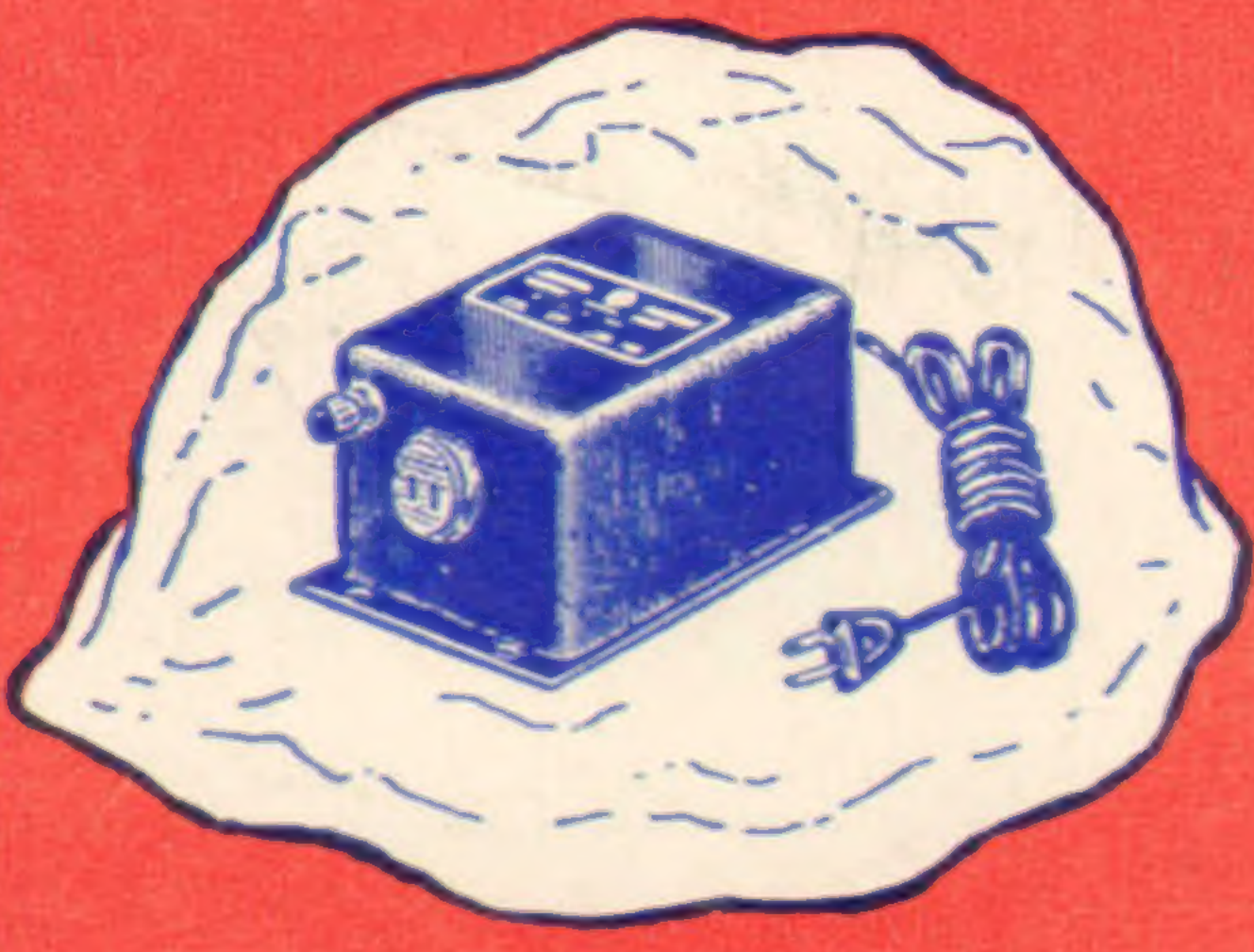
Cornell-Dubilier & Faradon Products



Powercon Converters. For DC to AC; AC to DC and DC to DC conversion. Dependable and efficient.



Types 138 and 177 Faradon XMTR Capacitors. For grid coupling and plate blocking applications.



Quietone Feed-Thru and Noise Filters. Where high insertion loss over wide frequencies is required.



Faradon

Catalog No. 200-d available on request

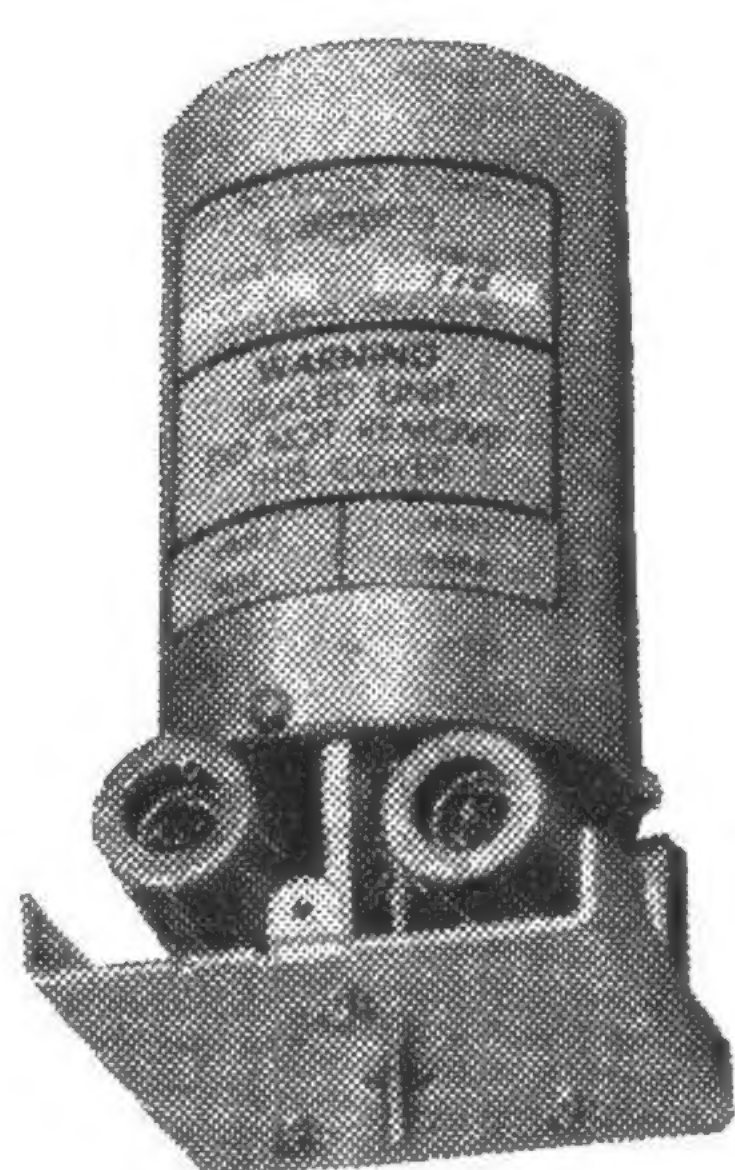
CORNELL-DUBILIER ELECTRIC CORPORATION

Dept. JH93, South Plainfield, N. J.

Plants in South Plainfield, N. J.; New Bedford, Worcester and Cambridge, Mass.; Providence, R. I.; Indianapolis, Ind.; Fuquay Springs, N. C.; and subsidiary, the Radiart Corp., Cleveland, O.

THERE'S A FULL GALLON of COLLINS QUALITY

in the
KW-1

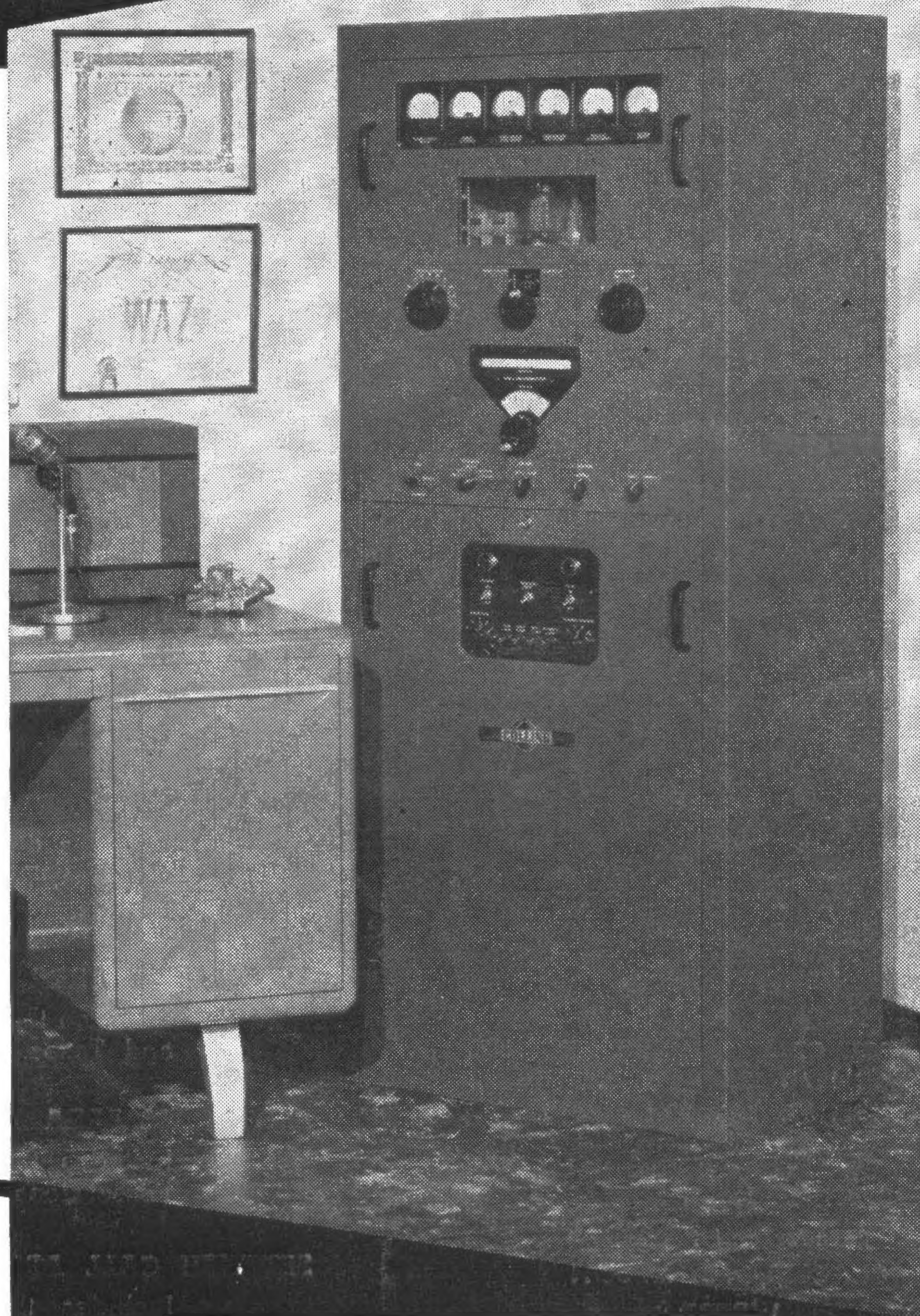
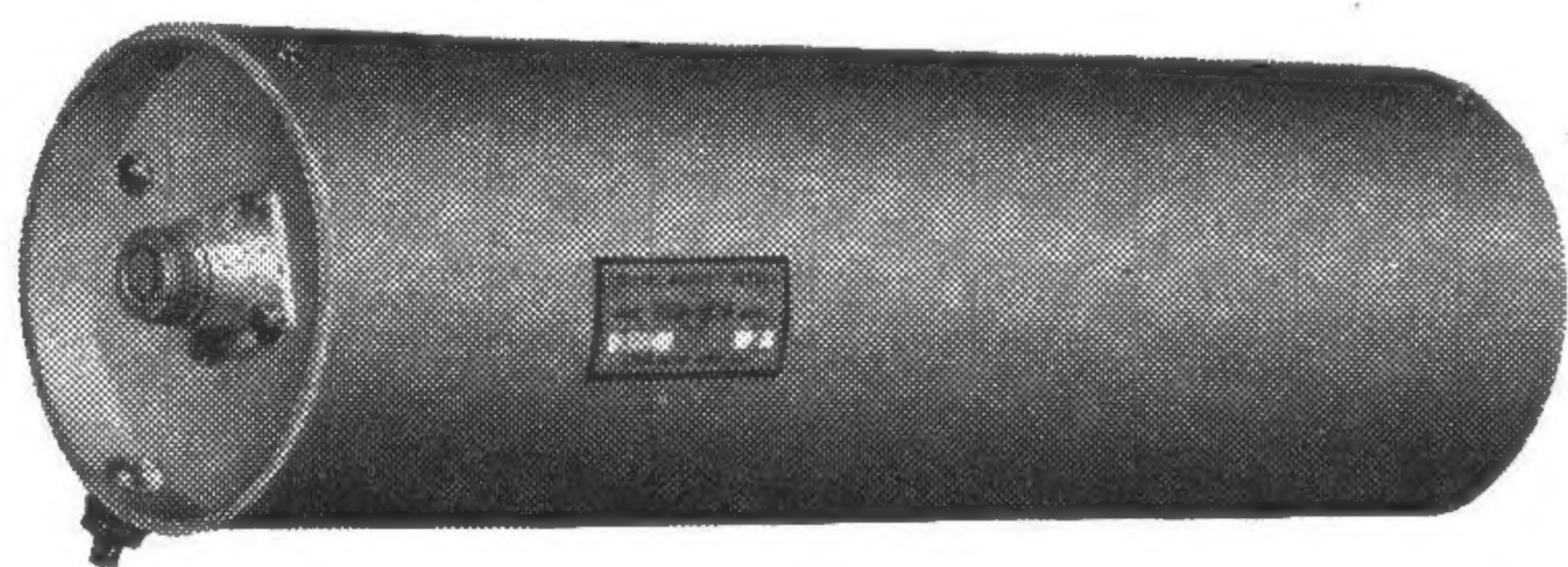


FREQUENCY STABILITY with the **70E-14 Oscillator**

- The frequency of the Collins KW-1 is controlled by the highly stable 70E-14 permeability-tuned oscillator; and the frequency is indicated by an accurate, easy-to-read dial.
- A pair of 4-250A tubes in the final amplifier run at 1000 watts input on 10, 11, 15, 20, 40 and 80 meters. 500 watts input on 160.
- Complete bandswitching with one front-panel control.
- Phone or CW at the flip of a switch.
- Variable vacuum capacitor for final-amplifier tuning.
- Coaxial RF output to match a 52 ohm line.
- Spurious radiation reduced to a very low value by circuit design, filtering and shielding.

The 35C-2 low pass filter,

an integral part of every KW-1 transmitter, provides an additional 75 db attenuation at television frequencies.



See your Collins distributor today for information on this modern kilowatt transmitter.

For the best in amateur equipment, it's . . .



COLLINS RADIO COMPANY, Cedar Rapids, Iowa

11 W. 42nd St., NEW YORK 36

1930 Hi-Line Drive, DALLAS 2

2700 W. Olive Ave., BURBANK

RADIO AMATEUR CALL BOOK

MAGAZINE

It will be noted that we are again accepting bold face listings in the CALL-BOOK.

You can have your QTH in bold face type for a full year for five dollars. We allow three lines at this price and charge \$1.00 for each additional line.

No commercial affiliation or trade reference will be accepted and your copy must be confined to your call letters, name, address or any nick name and slogan that you wish to run.

All reservations and copy instructions must be mailed to Radio Amateur Call Book, 608 South Dearborn St., Chicago 5, Illinois, U.S.A., on or before the fifteenth of January, April, July and October for the first insertion in the Spring, Summer, Fall and Winter issues respectively. Payable in advance.

W9TRD.

VOLUME 31 NUMBER 3

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What do you want in a MICROPHONE?

Check the features and characteristics for which E-V microphones have become favorites in every field. Then take your choice, and know you can expect performance that is guaranteed by E-V research-engineering. Here are 9 models of today's most complete microphone line.

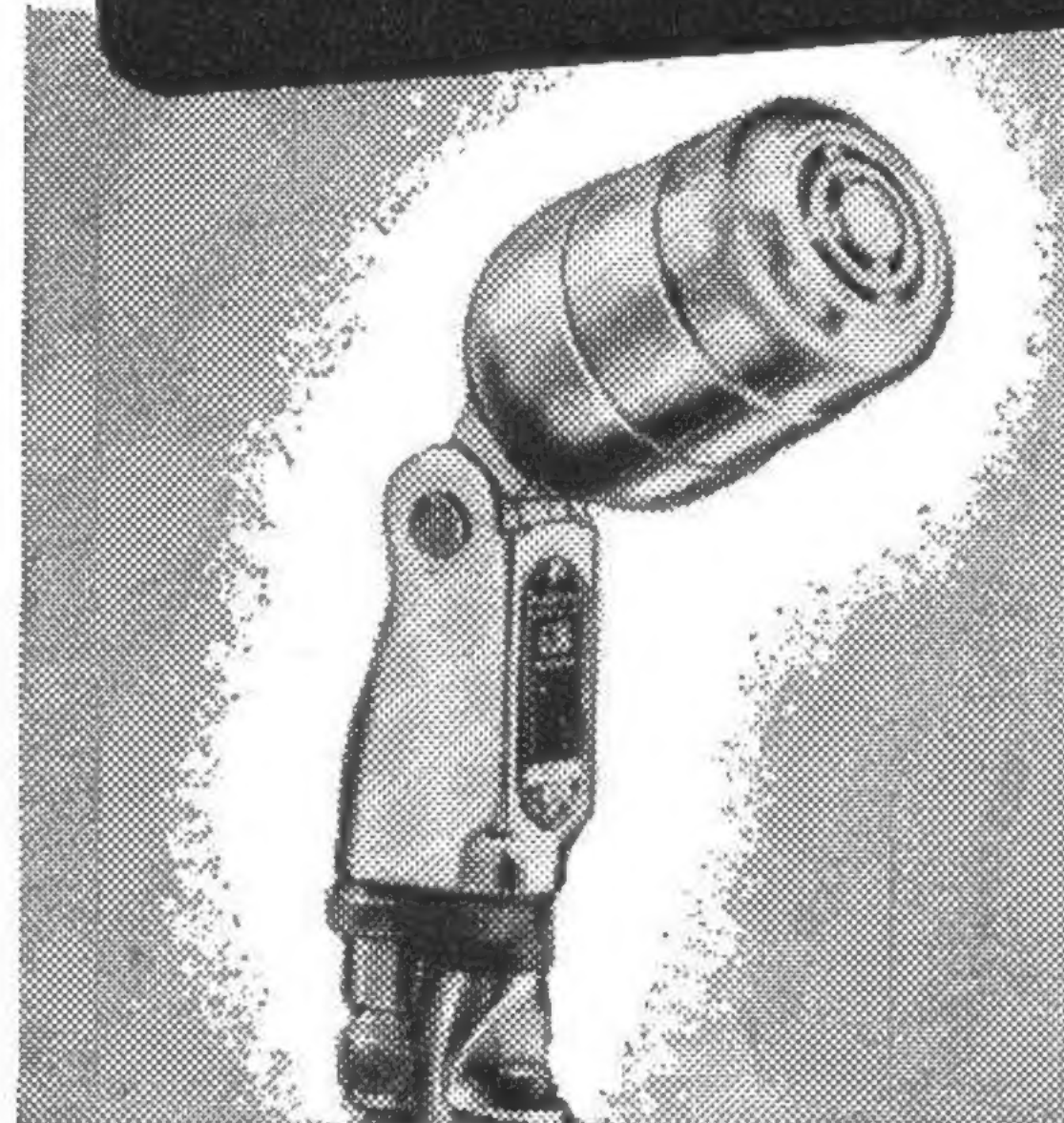
950 CARDAX ▶

High level cardioid crystal microphone with dual frequency response for high-fidelity sound pick-up or for extra crispness of speech. Overcomes feedback and background noise. Wide range response. "On-Off" switch. Metal Seal crystal. List, \$42.50



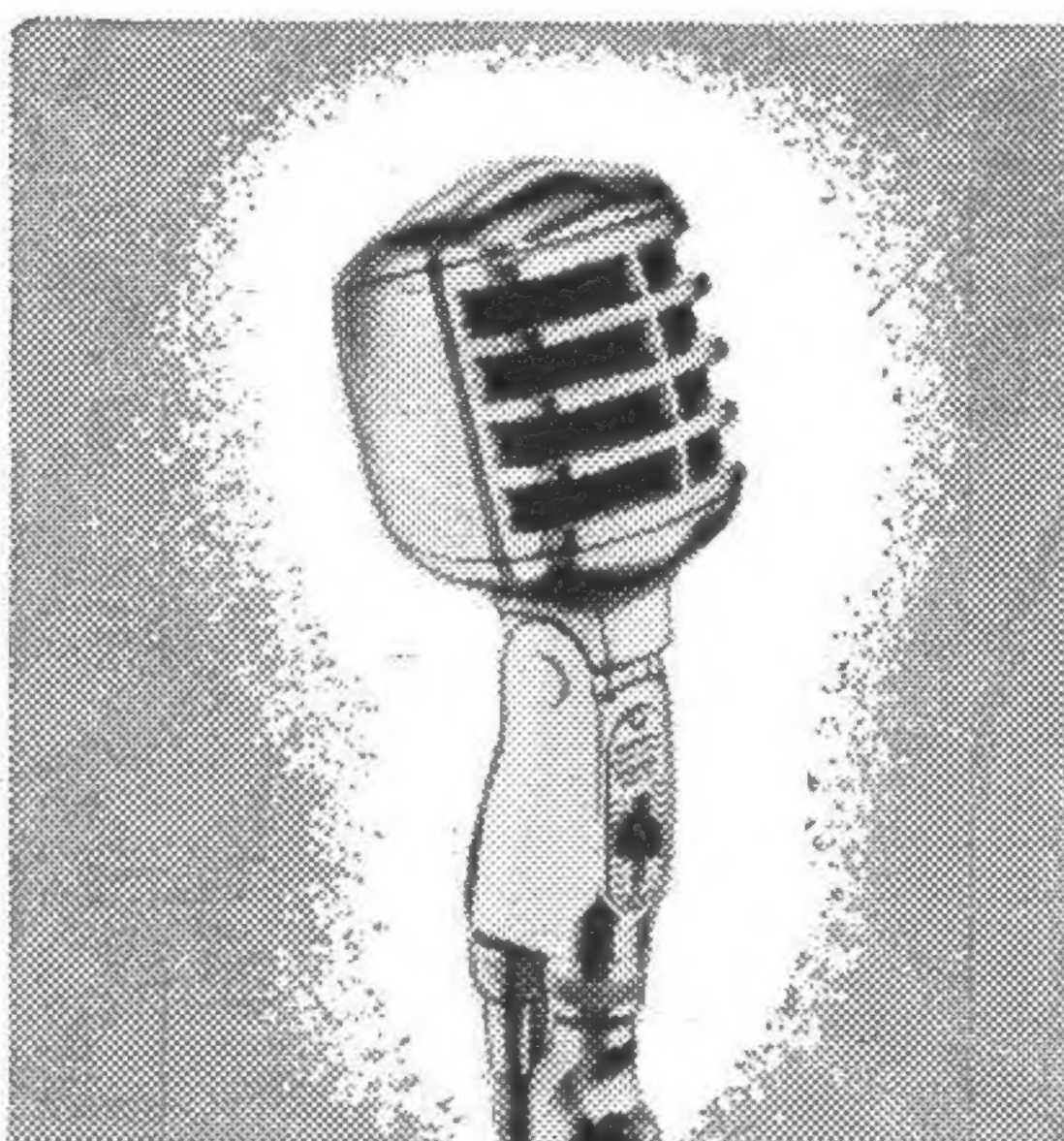
◀ 630 DYNAMIC

Popular high fidelity high output dynamic. Response 60-11,000 cps. Omni-directional. Exclusive Acoustalloy diaphragm. Extra rugged. Tilttable head. "On-Off" switch. Available in high or low impedances. Model 630. List, \$47.00



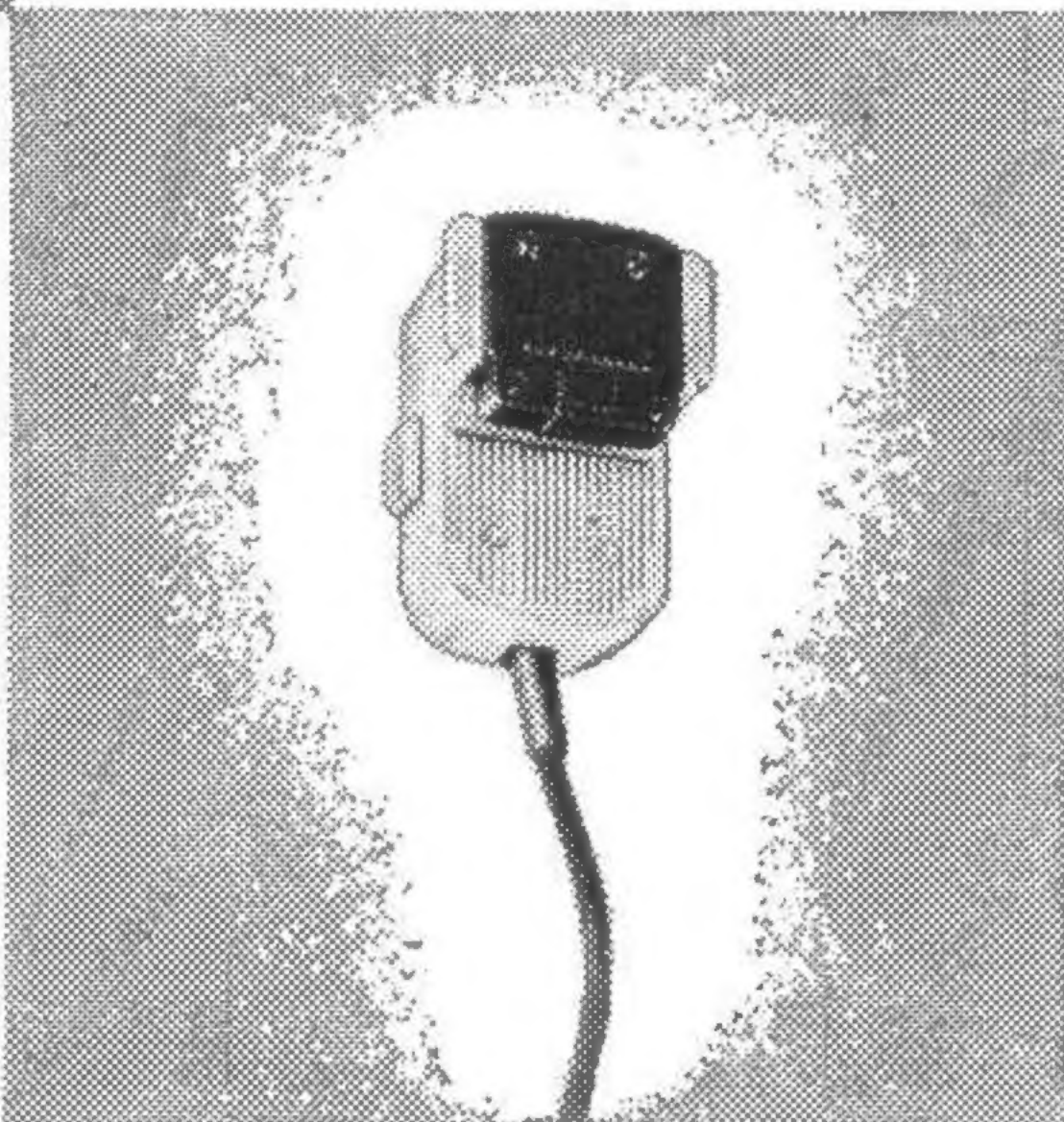
◀ MERCURY

Model 611 Dynamic and Model 911 Crystal. Smart design. Rugged and dependable. Response 50-8000 cps. High output level. Omni-directional. Tilttable head. "On-Off" switch. Available in high or low impedances. List from \$25.50 to \$37.50



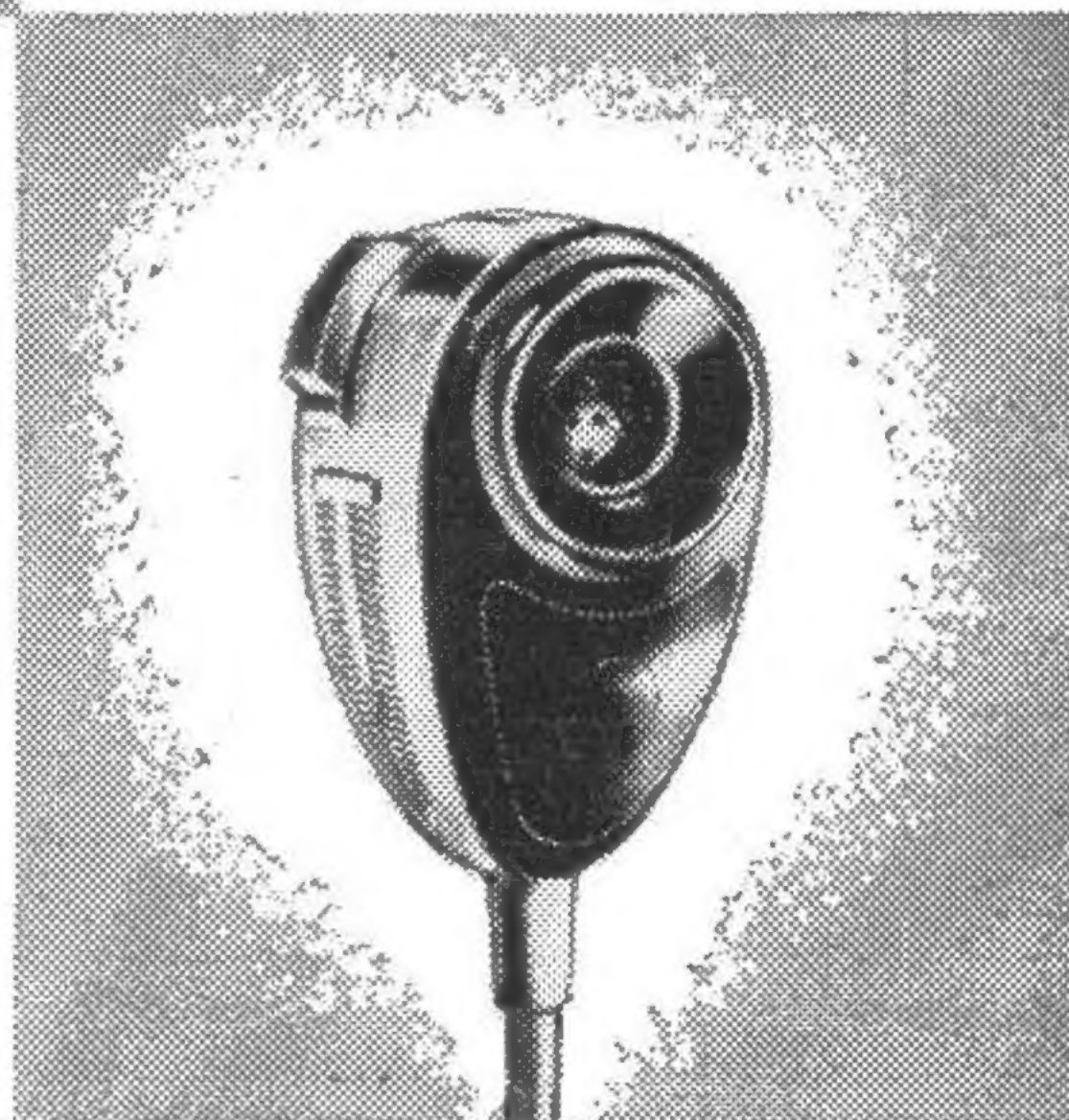
208 MOBILE ▶

Small size, high output, single-button carbon microphone for maximum intelligibility. Close-talking, noise-cancelling Differential* type. High articulation. Blast proof, water proof, shock resistant. Comfortably hand-held. Press-to-talk switch. Panel mounting. bracket. List, \$16.50



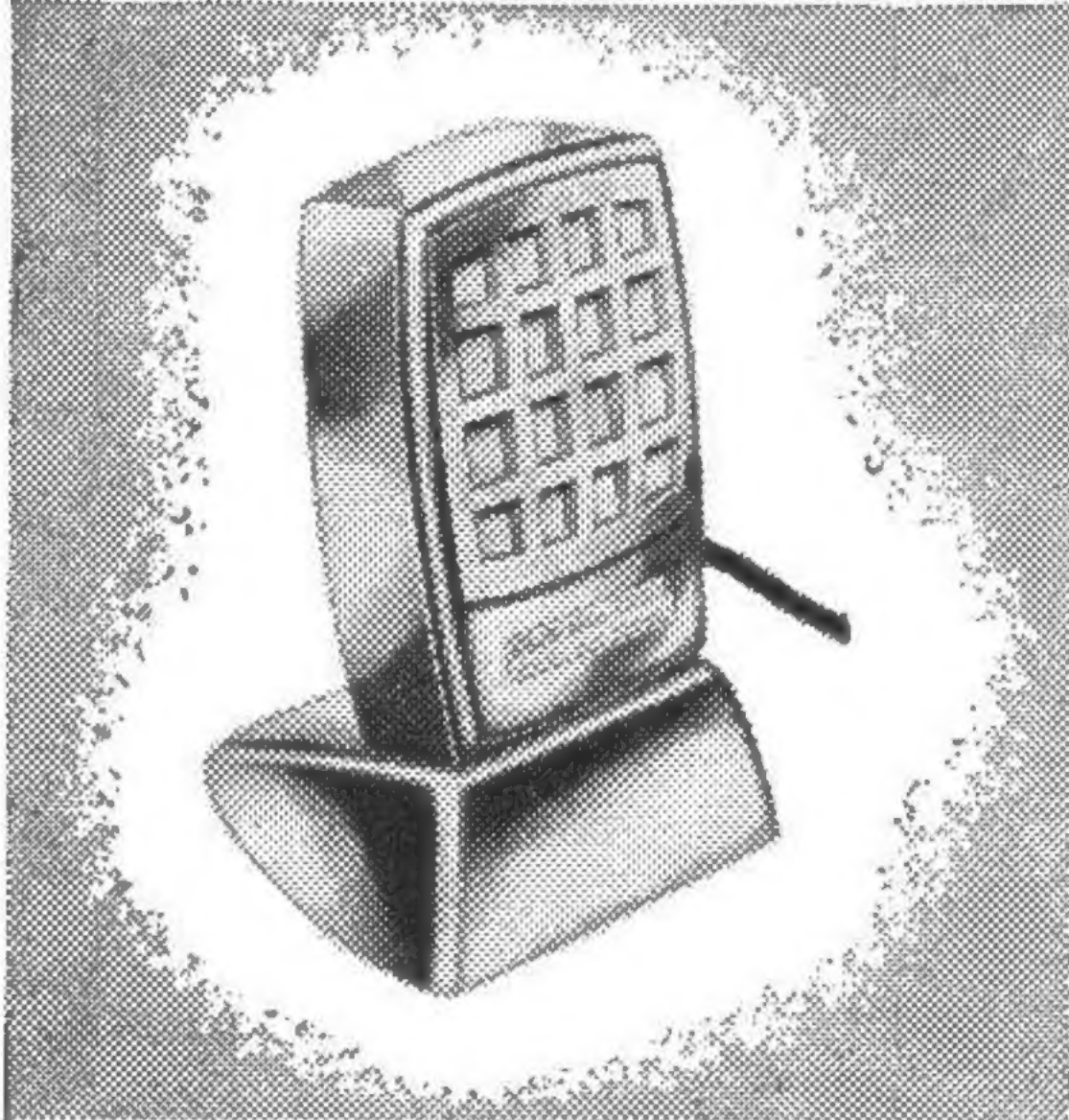
600-D and 210 ▶

Dynamic and Carbon high articulation mobile microphones. Give high intelligibility speech transmission. Light weight, yet extra rugged. Easily held in hand. Press-to-talk switch. Model 600-D. List, \$38.50 Model 210. List, \$28.50



◀ CENTURY

Low-cost all-purpose Crystal, Dynamic and Ceramic models. Can be used in hand, or on stand. Remarkable performer. Satin Chrome finish. In high and low impedances. List from \$11.25 to \$19.50 Model 415 Desk Mount lists at \$1.70



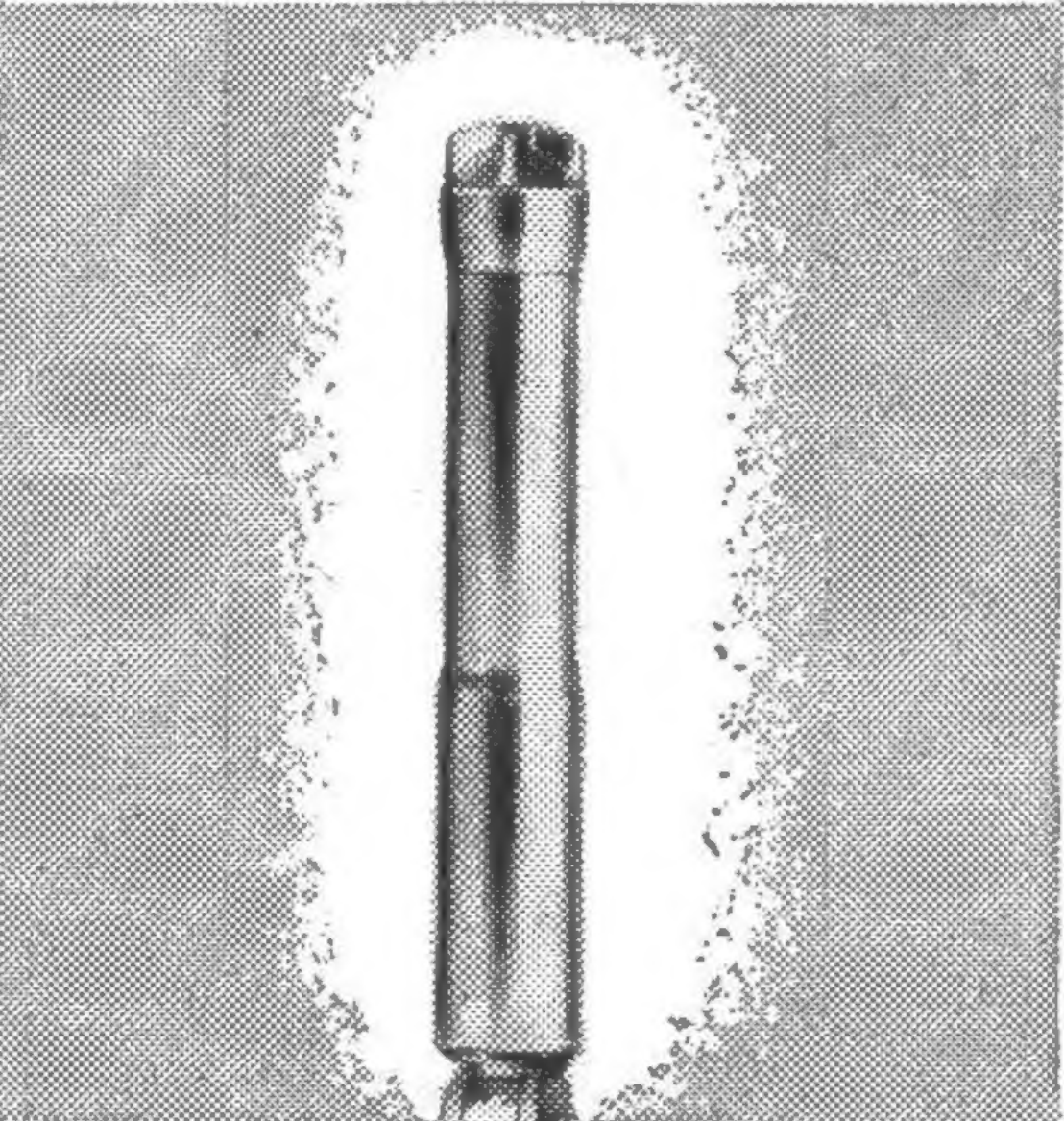
◀ H-51/U HANDSET

Virtually indestructible. Transmits speech clearly and intelligibly under high ambient noise conditions. Noise-cancelling second order differential carbon microphone, 600 ohm receiver, black nylon handle, push-to-talk switch. 10" long. Weighs 1 lb. List, \$180.00



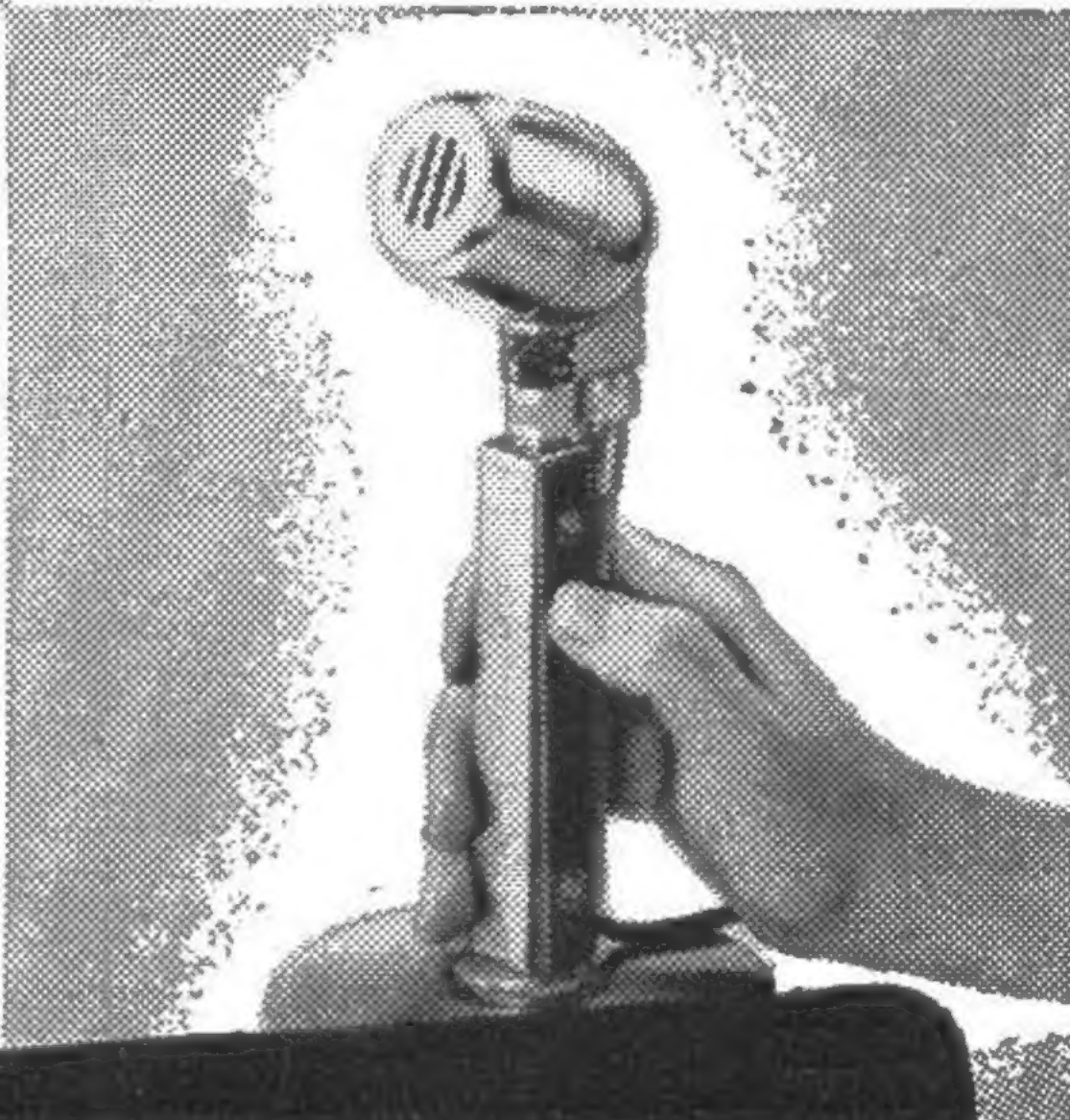
636 SLIMAIR ▶

Slim, versatile dynamic of exceptional quality. High-fidelity response 60-13,000 cps. Output -55 db. Acoustically-treated grille head stops wind and breath blasts. Acoustalloy diaphragm. Tilts 90°. "On-Off" switch. High or low impedance selection. List, \$70.00



TOUCH-TO-TALK ▶

Model 428 "Break-in" Touch-to-Talk Stand with locking feature. Fits any microphone with standard 5/8"-27 thread. Lever-type switch gives finger-tip relay operation or microphone "On-Off." Single-pole double-throw. List, \$16.00



MICROPHONES • PHONO-CARTRIDGES
HIGH FIDELITY SPEAKER SYSTEMS
TV ACCESSORIES • PA PROJECTORS

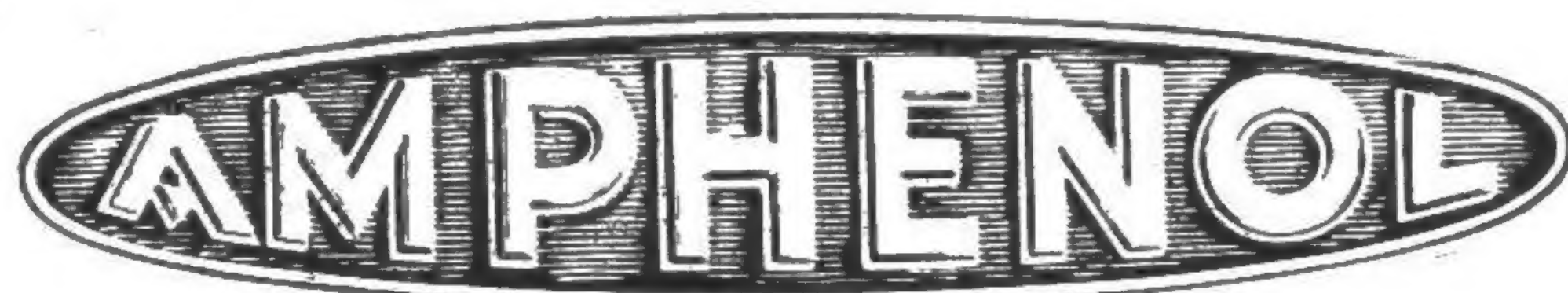
See your E-V Distributor or Write for Bulletins

Crystal mikes licensed under Brush patents. E-V Pat. Pend.

Electro-Voice INC.

406 CARROLL STREET • BUCHANAN, MICHIGAN
Export: 13 East 40th Street, N.Y. 16, U.S.A. Cables: Arlab

*Patent No. 2,350,010



POLYETHYLENE DIELECTRIC RG TYPE COAXIAL CABLES

Here are the answers to your questions about coaxial cable,—from Amphenol's engineering radio amateurs. Use this chart for your own design work and to answer the questions of fellow hams. And, for continuity, minimum loss and assurance of lasting performance—specify Amphenol Cable!

STANDARD JACKET		LOW TEMP. BLACK JACKET		IMPEDANCE IN OHMS	O. D. OF ARMOR	JACKET DIAM- ETER	VINYL JACKET	SHIELDS 1st 2nd	O. D. OF DIELECTRIC	INNER CONDUCTOR	V. P. PER CENT	CAP. MMFD /FT.	MAX. OPER. VOLTS-RMS
MILITARY NUMBER RG-/U	AMPHENOL NUMBER	SIGNAL CORPS NUMBER RG-/U	AMPHENOL NUMBER										
5	21-001			52.5		.332	Black	C C	.185	16	65.9	28.5	3000
5A	21-271	5B	21-294	50		.328	Grey	S S	.181	16S	65.9	29	3000
6	21-002	6A	21-330	76		.332	Grey	S C	.185	21CW	65.9	20	2700
7	21-003			97		.370	Black	C —	.250*	19	84	12.5	1000
8	21-004	8A	21-290	52		.405	Black	C —	.285	7/21	65.9	29.5	4000
9	21-005			51		.420	Grey	S C	.280	7/21S	65.9	30	4000
9A	21-231	9B	21-332	51		.420	Grey	S S	.280	7/21S	65.9	30	4000
10	21-006	10A	21-338	52	.475	.405	Grey	C —	.285	7/21	65.9	29.5	4000
11	21-007	11A	21-296	75		.405	Black	C —	.285	7/26T	65.9	20.5	4000
12	21-008	12A	21-340	75	.475	.405	Grey	C —	.285	7/26T	65.9	20.5	4000
13	21-009	13A	21-334	74		.420	Black	C C	.280	7/26T	65.9	20.5	4000
14	21-010	14A	21-336	52		.545	Grey	C C	.370	10	65.9	29.5	5500
15	21-011			76		.545	Black	C C	.370	15CW	65.9	20	5000
17	21-013	17A	21-298	52		.870	Grey	C —	.680	.188	65.9	29.5	11000
18	21-014	18A	21-300	52	.945	.870	Grey	C —	.680	.188	65.9	29.5	11000
19	21-015	19A	21-303	52		1.120	Grey	C —	.910	.250	65.9	29.5	14000
20	21-016	20A	21-305	52	1.195	1.120	Grey	C —	.910	.250	65.9	29.5	14000
21	21-017	21A	21-308	53		.332	Grey	S S	.185	16N	65.9	29	2700
22	21-038			95		.405	Black	T —	.285	Two 7/.0152	65.9	16	1000
22A	21-148	22B	21-310	95		.420	Grey	T T	.285	Two 7/.0152	65.9	16	1000
29	21-018			53.5		.184	Poly	T —	.116	20	65.9	28.5	1900
34	21-019	34A	21-429	71		.625	Black	C —	.455	7/21	65.9	21.5	5200
35	21-020	35A	21-311	71	.945	.870	Grey	C —	.680	9	65.9	21.5	10000
42	21-021			78		.342	Grey	S S	.196	21N	65.9	20	2700
54A	21-022			58		.250	Poly	T —	.178	7/.0152	65.9	26.5	3000
55	21-023			53.5		.206	Poly	T T	.116	20	65.9	28.5	1900
57	21-039	57A	21-313	95		.625	Black	T —	.472	Two 7/21	65.9	17	3000
58	21-024			53.5		.195	Black	T —	.116	20	65.9	28.5	1900
58A	21-199	58C	21-316	50		.195	Black	T —	.116	19/.0068	65.9	29	1900
59	21-025	59A	21-291	73		.242	Black	C —	.146	22CW	65.9	21	2300
62	21-026	62A	21-318	93		.242	Black	C —	.146*	22CW	84	13.5	750
63	21-027	63B	21-320	125		.405	Black	C —	.285*	22CW	84	10	1000
71	21-029			93		.250	Poly	T T	.146*	22CW	84	13.5	750
74	21-041	74A	21-321	52	.615	.545	Grey	C C	.370	10	65.9	29.5	5500
79	21-070	79B	21-325	125	.475	.405	Black	C —	.285*	22CW	84	10	1000
83	21-180			35		.405	Black	C —	.240	10	65.9	44	2000
89	21-253			125		.632	Black	C —	.285*	22CW	84	10	1000
108	21-261	108A	21-327	76		.235	Black	T —	.073Ea.	Two 7/28		23	1000
111	21-255	111A	21-329	95	.490	.420	Grey	T T	.285	Two 7/.0152	65.9	16	1000
	21-125			71		.870	Grey	C —	.680	9	65.9	21.5	10000
114	21-440			185		.405	Black	C —	.285*	33CW	86	6.5	1000
122	21-441			50		.160	Black	T —	.096	27/36T	65.9	29.3	1900
		125	21-442	150		.600		C —	.460*	26CW	84	7.8	1000
130	21-436			95		.625	Black	T —	.472	Two 7/21	65.9	17	3000
131	21-437			95	.710	.625	Black	T —	.472	Two 7/21	65.9	17	3000

*Semi-solid dielectric

C—Copper

CW—Copperweld

S—Silvered copper

T—Tinned copper

N—Nichrome

OHMS 35 OHMS

OHMS 50 to 58 OHMS

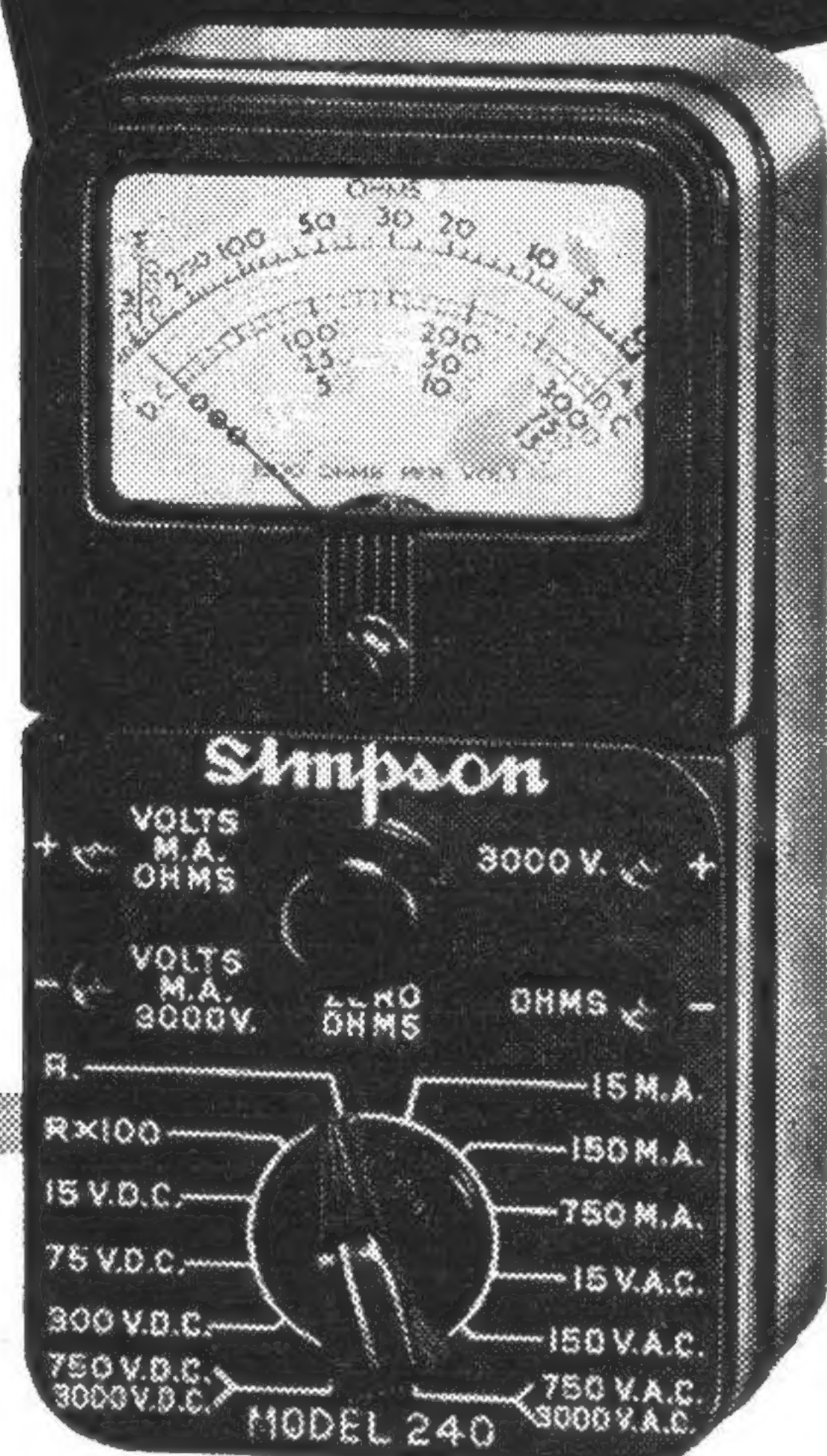
OHMS 71 to 78 OHMS

OHMS 90 to 185 OHMS

AMERICAN PHENOLIC CORPORATION • 1830 South 54th Avenue • Chicago 50, Illinois

W. Ben Wimberly
(W9IXD)

well-known amateur says: "For quick, accurate trouble shooting around my ham shack, the Simpson Model 240 Hammeter is indispensable. I've used Simpson equipment for many years."



RANGES: Model 240

AC VOLTS: 0-15, 150, 750, 3000
(1000 ohms per volt)

DC VOLTS: 0-15, 75, 300, 750, 3000
(1000 ohms per volt)

DC MILLIAMPERES: 0-15, 150, 750

OHMS: 0-3000 (center scale 30)
0-300,000 (center scale 3000)

ACCURACY: DC 3%—AC 5%

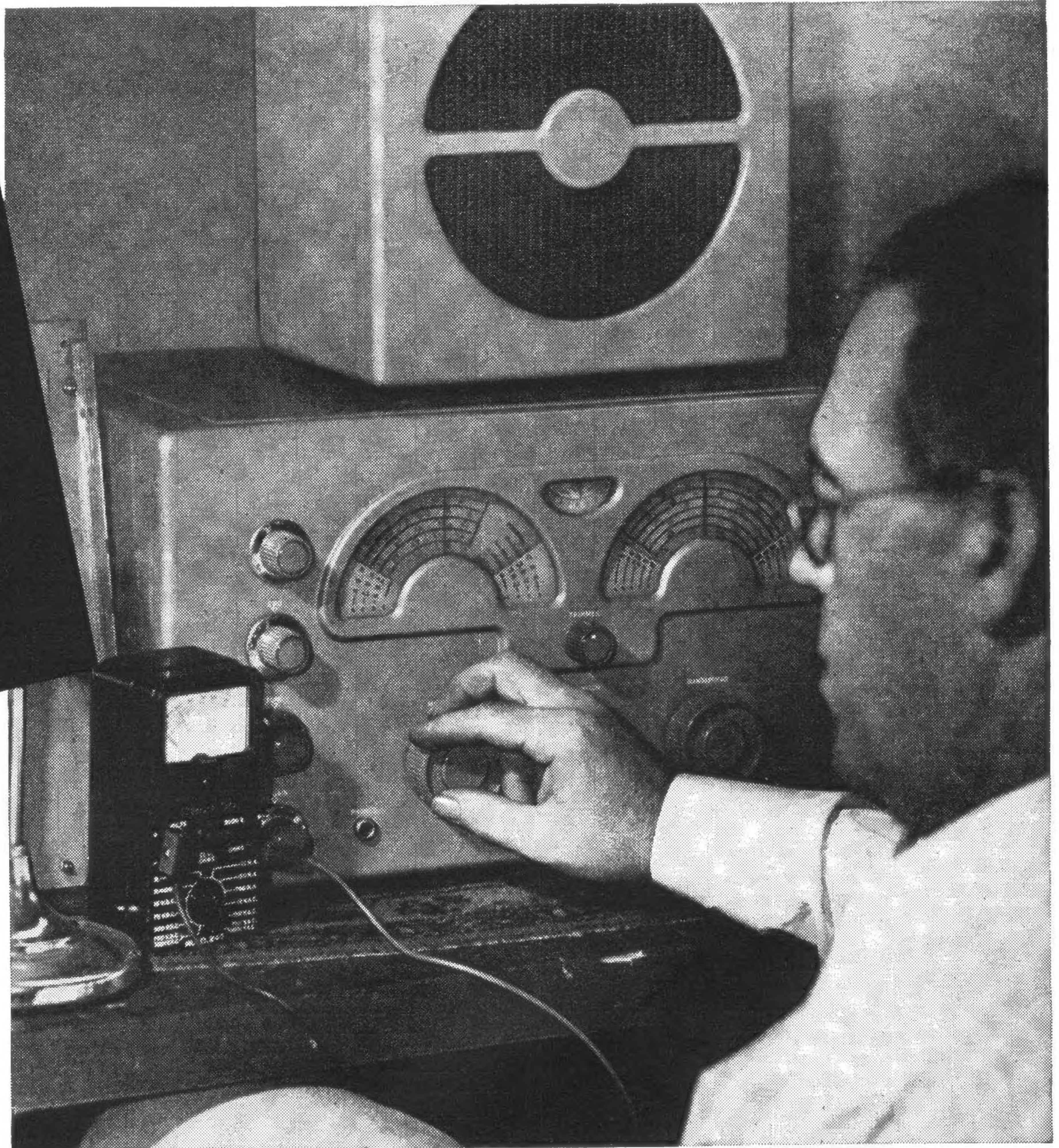
SIZE: 3"x5 7/8"x2 1/2"

WEIGHT: 1 1/4 lbs.

SHIPPING WEIGHT: 2 1/2 lbs.

AMATEUR'S NET PRICE . . . \$26.35

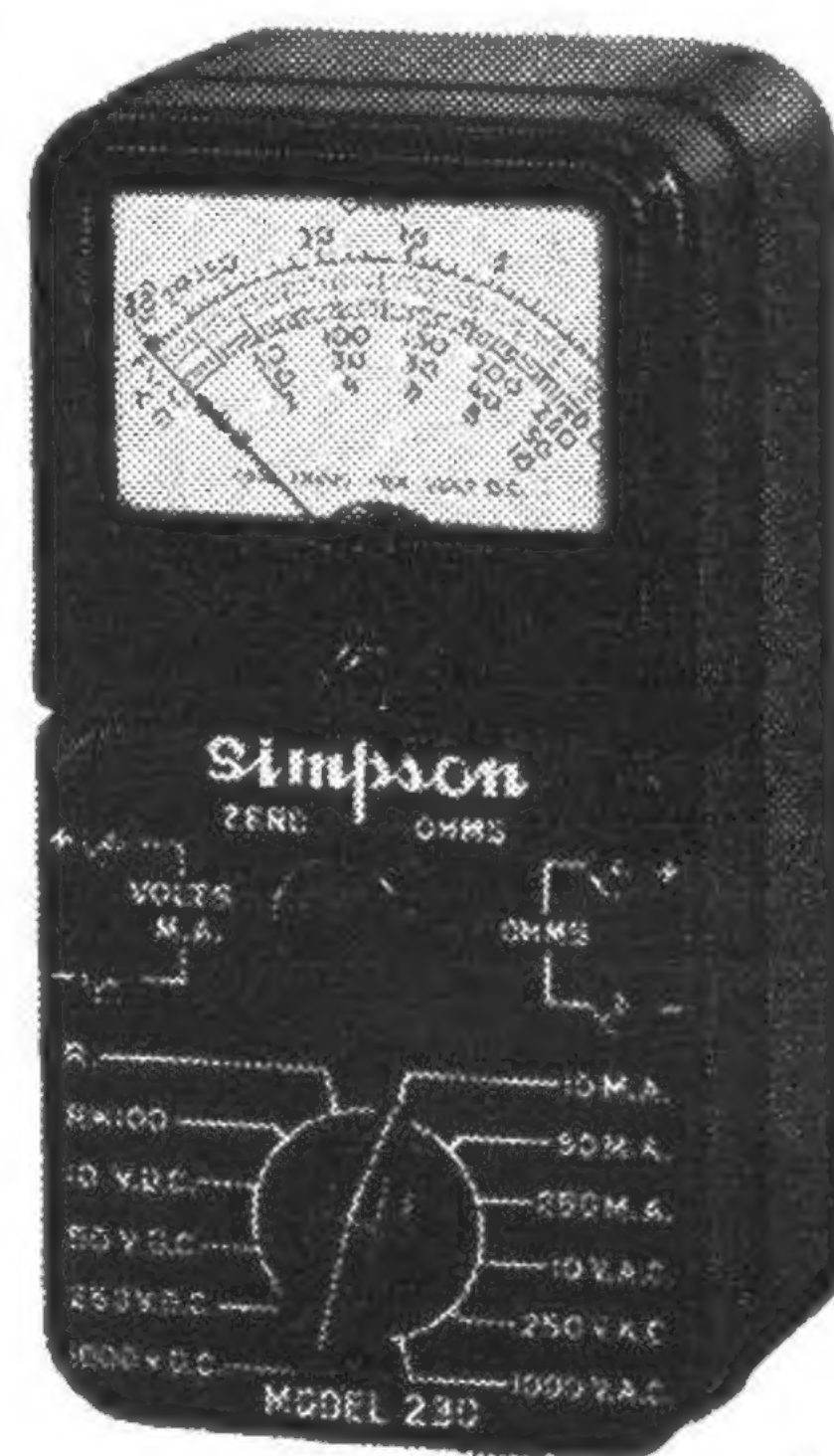
Leatherette Case 5.50



WORLD FAMOUS SIMPSON HAMMETER IS FIRST WITH RADIO AMATEURS

The famous 240 Hammeter—named by the radio "ham"—is world renowned for its ruggedness and accuracy. It was designed for the additional voltage and sensitivity required in radio testing.

A favorite with "hams" because of its maximum voltage range of 3000 AC or DC, the 240 was the first self-contained pocket portable built expressly to check high voltage and all component parts of transmitters and receivers.



A worthy companion of the Hammeter is the Model 230 volt-ohm-milliammeter, with a maximum voltage of 1000 AC or DC. Its ranges are adequate for most line voltages, for telephone, teletype, and general purpose testing.

RANGES: Model 230

AC VOLTS: 0-10, 250, 1000 (400 ohms per volt)

DC VOLTS: 0-10, 50, 250, 1000 (1000 ohms per volt)

DC MILLIAMPERES: 0-10, 50, 250

OHMS: 0-1000, 0-100,000

ACCURACY: DC 3%—AC 5%

SIZE: 3"x5 7/8"x2 1/2"

WEIGHT: 1 1/4 lbs.

SHIPPING WEIGHT: 3 lbs.

AMATEUR'S NET PRICE \$24.95

Leatherette Case 5.50

Simpson
INSTRUMENTS THAT STAY ACCURATE

SIMPSON ELECTRIC COMPANY

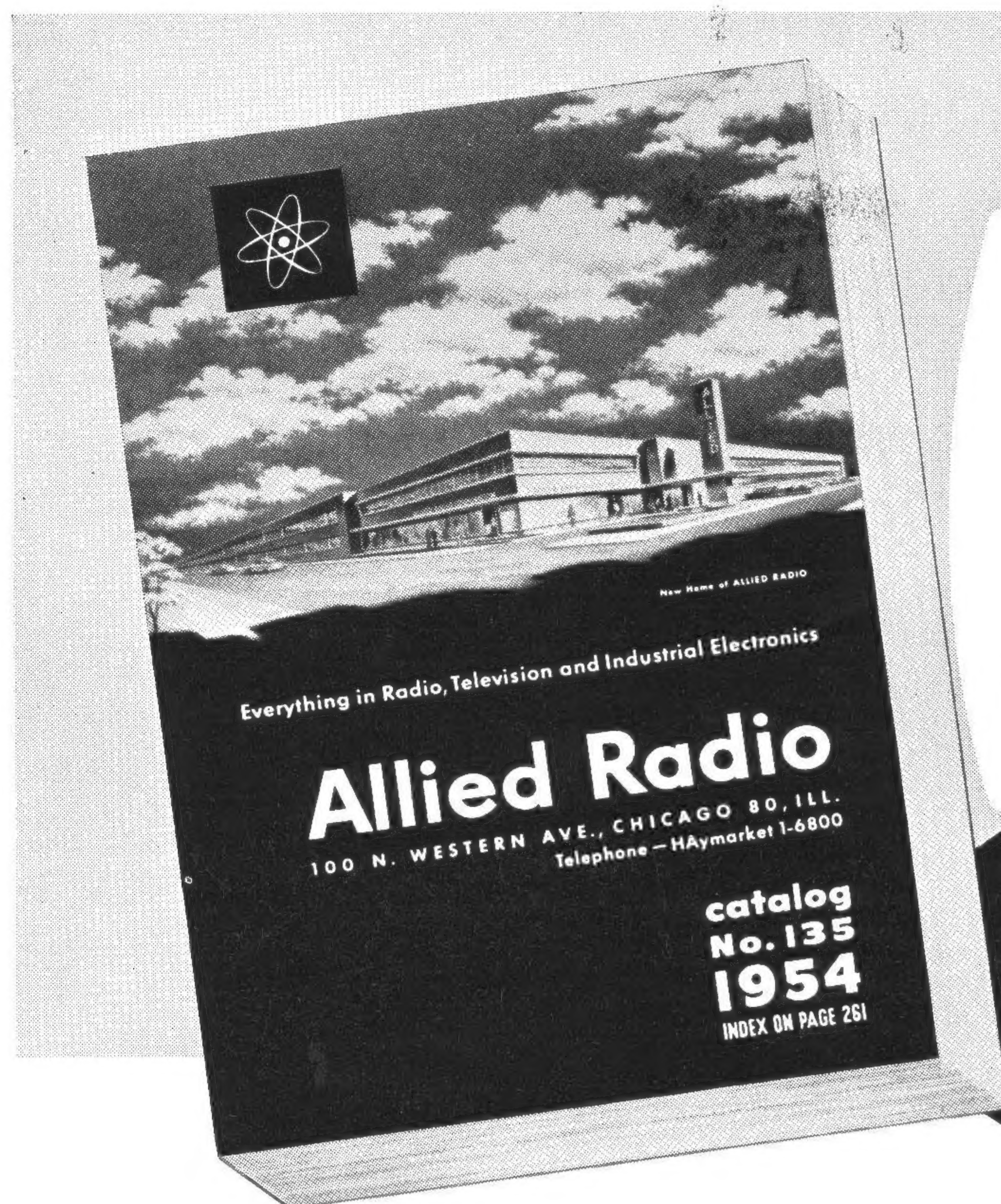
5200-18 WEST KINZIE STREET, CHICAGO 44, ILLINOIS
In Canada: Bach-Simpson Ltd., London, Ontario

A. R. R. L. COUNTRIES LIST

Official List for ARRL DX CONTEST and Postwar DXCC

The ARRL Postwar Countries List is the official standard used in connection with the ARRL DX competition and the DX Century Club. To qualify for the DX Century Club Award, an applicant must submit confirmations from at least 100 different countries contacted after November 15, 1945, in accordance with the Postwar DXCC Rules. Copies of the DXCC Rules will be furnished by ARRL on request.

AC3	Sikkim	KR6	Ryukyu Islands (e.g., Okinawa)	VP8	South Georgia
AC4	Tibet	KS4	Swan Island	VP8	South Orkney Islands
AG2	(See I)	KS6	American Samoa	VP8	South Sandwich Islands
AP	Pakistan	KV4	Virgin Islands	VP8	South Shetland Islands
AR8	Lebanon	KW6	Wake Island	VP9	Bermuda Islands
C (unofficial)	China	KX6	Marshall Islands	VQ1	Zanzibar
C3	Formosa	KZ5	Canal Zone	VQ2	Northern Rhodesia
C9	Manchuria	LA	Norway	VQ3	Tanganyika Territory
CE	Chile	LA	Svalbard (Spitzbergen)	VQ4	Kenya
CM, CO	Cuba	LI, MC1, 2, MD1, 2, MT1, 2	Libya	VQ5	Uganda
CN	French Morocco	LU	Argentina	VQ6	British Somaliland
CP	Bolivia	LX	Luxembourg	VQ8	Chagos Islands
CR4	Cape Verde Islands	LZ	Bulgaria	VQ8	Mauritius
CR5	Portuguese Guinea	M1	San Marino	VQ9	Seychelles
CR5	Principe, Sao Thome	MB9	(See OE)	VR1	Gilbert & Ellice Islands & Ocean Island
CR6	Angola	MC1, 2	(See LI)	VR1	British Phoenix Islands
CR7	Mozambique	MD1, 2	(See LI)	VR2	Fiji Islands
CR8	Goa (Portuguese India)	MD3	(See I6)	VR3	Fanning Island (Christmas Island)
CR9	Macau	MD4	(See I5)	VR4	Solomon Islands
CR10	Portuguese Timor	MD5	(See SU)	VR5	Tonga (Friendly) Islands
CT1	Portugal	MD6	(See YI)	VR6	Pitcairn Island
CT2	Azores Islands	MF2	(See I)	VS1	Singapore
CT3	Madeira Islands	MI3	(See I6)	VS2	Malaya
CX	Uruguay	MP4	(See VU7)	VS4	British North Borneo
DL, DJ	Germany	MP4	Kuwait	VS5	Brunei
DU	Philippine Islands	MP4	Oman	VS5	Sarawak
EA	Spain	MS4	(See I5)	VS6	Hong Kong
EA6	Balearic Islands	MT1, 2	(See LI)	VS7	Ceylon
EA8	Canary Islands	OA	Peru	VS9	Aden & Socotra
EA9	Spanish Morocco	OE, MB9, FKS8	Austria	VS9	Maldives Islands
EI	Eire (Irish Free State)	OH	Finland	VU	India
EK	Tangier Zone	OK	Czechoslovakia	VU4	Laccadive Islands
EL	Liberia	ON	Belgium	VU7, MP4	Bahrain Island
EP, EQ	Iran (Persia)	OQ	Belgian Congo	W, K	United States of America
ET	Ethiopia	OX	Greenland	XE	Mexico
F	France	OY	Faeroes	XZ	Burma
FA	Algeria	OZ	Denmark	YA	Afghanistan
FB8	Amsterdam & St. Paul Islands	PA	Netherlands	YI, MD6	Iraq
FB8	Kerguelen Islands	PJ	Netherlands West Indies	YJ	(See FU8)
FB8	Madagascar	PK1, 2, 3	Java	YK	Syria
FC	Corsica	PK4	Sumatra	YN	Nicaragua
FD8	French Togoland	PK5	Netherlands Borneo	YO, YR	Roumania
FE8	French Cameroons	PK6	Celebes & Molucca Islands	YS	Salvador
FF8	French West Africa	PK6, 7	Netherlands New Guinea	YT, YU	Yugoslavia
FG8	Guadeloupe	PX	Andorra	YV	Venezuela
FI8	French Indo-China	PY	Brazil	ZA	Albania
FK8	New Caledonia	PZ	Netherlands Guiana	ZB1	Malta
FKS8	(See OE)	SM	Sweden	ZB2	Gibraltar
FL8	French Somaliland	SP	Poland	ZC2	Cocos Islands
FM8	Martinique	ST	Anglo-Egyptian Sudan	ZC3	Christmas Island
FN	French India	SU, MD5	Egypt	ZC4	Cyprus
FO8	French Oceania (e.g., Tahiti)	SV	Greece	ZC6	Palestine
FP8	St. Pierre & Miquelon Islands	SV	Crete	ZD1	Sierra Leone
FQ8	French Equatorial Africa	SV5	Dodecanese (e.g., Rhodes)	ZD2	Nigeria
FR8	Reunion Island	TA	Turkey	ZD3	Gambia
FU8, YJ	New Hebrides	TF	Iceland	ZD4	Gold Coast, Togoland
FY8	French Guiana & Inini	TG	Guatemala	ZD6	Nyasaland
G	England	TI	Costa Rica	ZD7	St. Helena
GC	Channel Islands	TI	Cocos Island	ZD8	Ascension Island
GD	Isle of Man	UA1, 3, 4, 6	European Russian	ZD9	Tristan da Cunha & Gough Island
GI	Northern Ireland	UA9, φ	Socialist Federated Soviet Republic	ZE	Southern Rhodesia
GM	Scotland	UB5	Asiatic Russian S.F.S.R.	ZK1	Cook Islands
GW	Wales	UC2	White Russian Soviet Socialist Republic	ZK2	Niue
HA	Hungary	UD6	Azerbaijan	ZL	New Zealand
HB	Switzerland	UF6	Georgia	ZM	British Samoa
HC	Ecuador	UG6	Armenia	ZP	Paraguay
HE	Liechtenstein	UH8	Turkoman	ZS1, 2, 4, 5, 6	Union of South Africa
HH	Haiti	UI8	Uzbek	ZS3	Southwest Africa
HI	Dominican Republic	UJ8	Tadzhik	ZS7	Swaziland
HK	Colombia	UL7	Kazakh	ZS8	Basutoland
HL	Korea	UM8	Kirghiz	ZS9	Bechuanaland
HP	Panama	UN1	Karelo-Finnish Republic	3A1, 2	Monaco
HR	Honduras	UO5	Moldavia	3V8	Tunisia
HS	Siam	UP2	Lithuania	4X4	Israel
HV	Vatican City	UQ2	Latvia	9S4	Saar
HZ	Saudi Arabia (Hedjaz & Nejd)	UR2	Estonia		Aldabra Islands
I	Italy	VE, VO	Canada		Andaman and Nicobar Islands
I, AG2, MF2	Trieste	VK	Australia (including Tasmania)		Antarctica
I5, MD4, MS4	Italian Somaliland	VK1	Heard Island		Bhutan
I6, MD3, MI3	Eritrea	VK1	Macquarie Island		Clipperton Island
IS	Sardinia	VK9	Papua Territory		Comoro Islands
JA, KA	Japan	VK9	Territory of New Guinea		Easter Island
JAφ	Bonin & Volcano Islands	VK9	Norfolk Island		Fridtjof Nansen Land (Franz Josef Land)
K	(See W)	VO	(See VE)		Galapagos Islands
KA	(See JA)	VP1	British Honduras		Ifni
KB6	Baker, Howland & American Phoenix Islands	VP2	Leeward Islands		Jan Mayen Island
KC6	Caroline Islands	VP2	Windward Islands		Jordan
KC6	Palau Islands	VP3	British Guiana		Marion Island
KG4	Guantanamo Bay	VP4	Trinidad & Tobago		Mongolia
KG6	Mariana Islands	VP5	Cayman Islands		Nepal
KH6	Hawaiian Islands	VP5	Jamaica		Qatar
KJ6	Johnston Island	VP5	Turks & Caicos Islands		Rio de Oro
KL7	Aaska	VP6	Barbados		Spanish Guinea
KM6	Midway Islands	VP7	Bahama Islands		Tannu Tuva
KP4	Puerto Rico	VP8	Falkland Islands		Tokelau (Union) Islands
KP6	Palmyra Group, Jarvis Island				Wrangel Islands
					Yemen

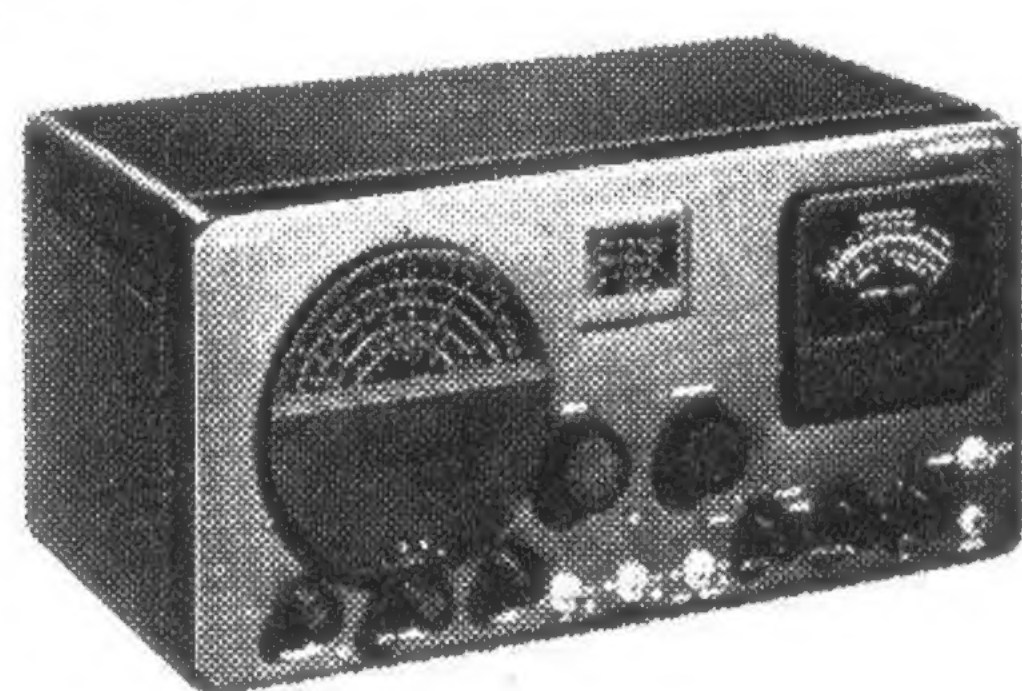
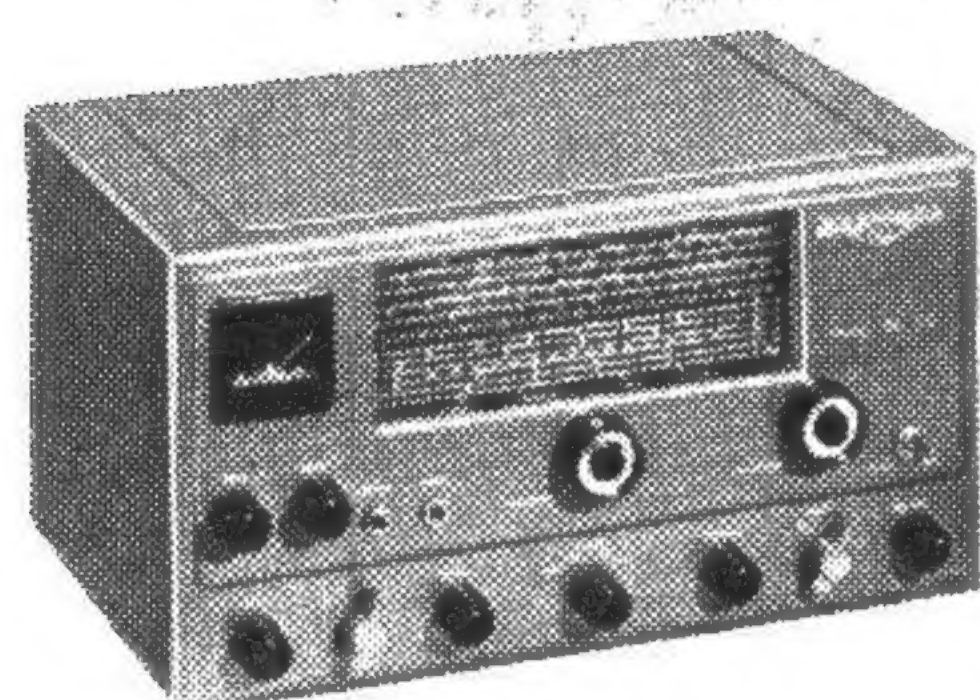


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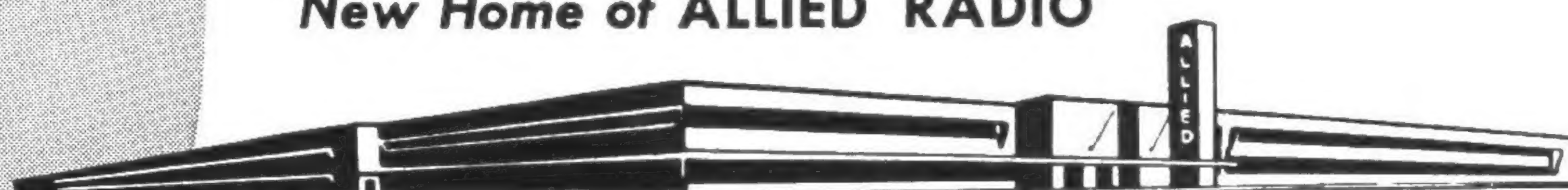
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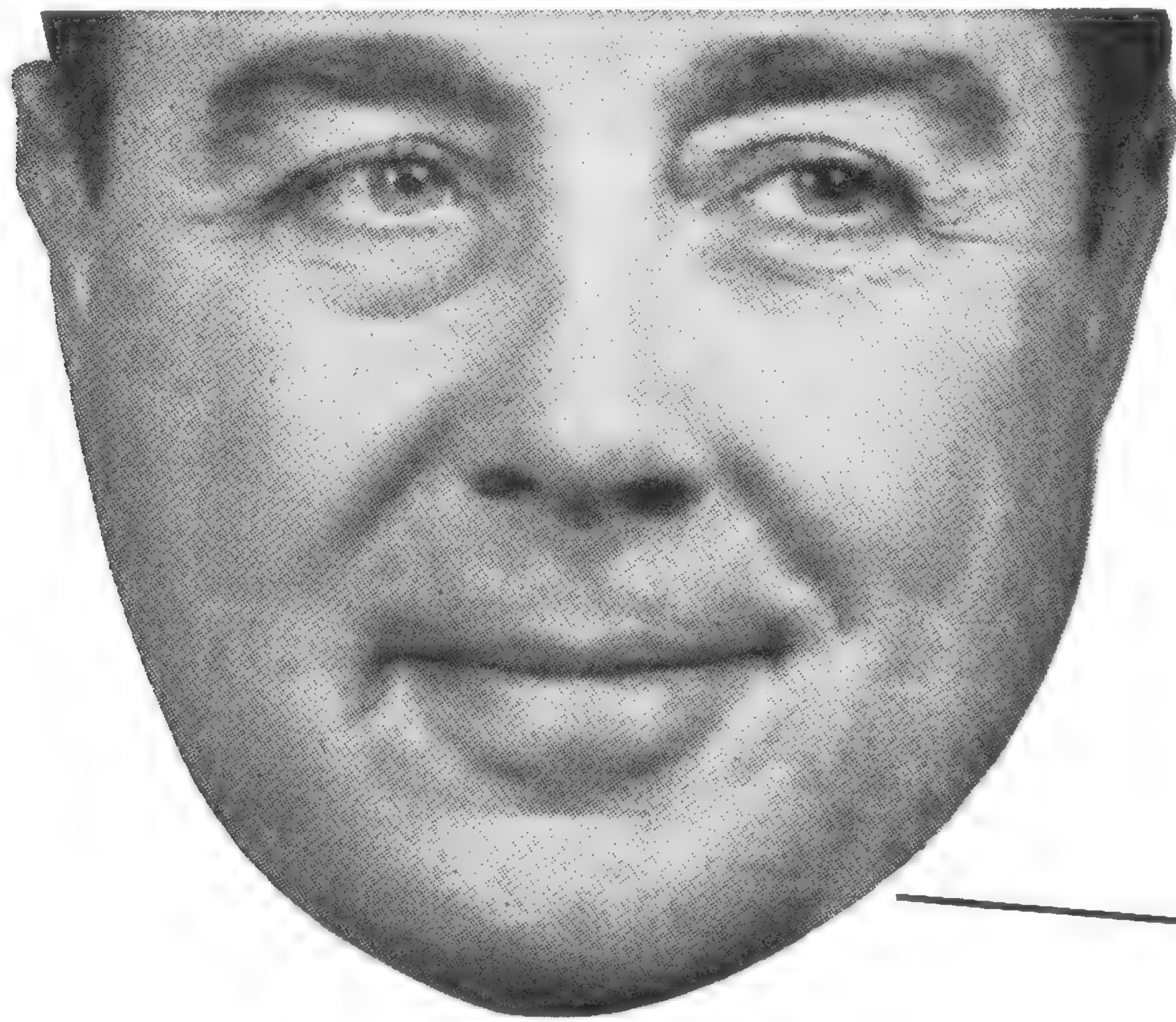


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INTERNATIONAL RADIO AMATEUR PREFIXES

The following prefixes are listed in alphabetical order for convenience in locating the country when DX calls are heard.

AC3	SIKKIM	KG6	MARIANA ISLANDS (Guam)	VK	AUSTRALIA
AC4	TIBET	KG6I	IWO JIMA ISLAND	VK7	TASMANIA
AG2	TRIESTE (American)	KG6S	SAIPAN ISLAND	VK9	PAPUA TERRITORY
AP	PAKISTAN	KG6T	TINIAN ISLAND	VO	NEWFOUNDLAND & LABRADOR
C	CHINA	KH6	HAWAIIAN ISLANDS	VP1	BRITISH HONDURAS
CE	CHILE	KJ6	JOHNSTON ISLAND	VP2	LEEWARD & WINDWARD ISLANDS
CM-CO	CUBA	KL7	ALASKA	VP3	BRITISH GUIANA
CN2	TANGIER ZONE	KM6	MIDWAY ISLAND	VP4	TRINIDAD & TOBAGO IS.
CN8	FRENCH MOROCCO	KP4	PUERTO RICO	VP5	JAMAICA, CAYMAN, TURKS & CAICOS IS.
CP	BOLIVIA	KP6	PALMYRA & JARVIS ISLANDS	VP6	BARBADOS
CR4	CAPE VERDE ISLANDS	KR6	OKINAWA	VP7	BAHAMA ISLANDS
CR5	PORTUGUESE GUINEA	KS4	SWAN ISLAND	VP8	FALKLAND ISLANDS South Georgia, South Orkney and South Shetland Islands.
CR6	ANGOLA	KS6	U. S. SAMOA	VP9	BERMUDA ISLANDS
CR7	MOZAMBIQUE	KV4	VIRGIN ISLANDS	VQ1	ZANZIBAR
CR8	GOA (Portuguese India)	KW6	WAKE ISLAND	VQ2	NORTHERN RHODESIA
CR9	MACAU	KX6	MARSHALL ISLANDS	VQ3	TANGANYIKA TERRITORY
CR10	TIMOR ISLAND (Port.)	KZ5	CANAL ZONE	VQ4	KENYA
CT1	PORTUGAL	LA	NORWAY	VQ5	UGANDA
CT2	AZORES ISLANDS	LU	ARGENTINA	VQ6	BRITISH SOMALILAND
CT3	MADERIA ISLANDS	LX	LUXEMBOURG	VQ8	CHAGOS & MAURITIUS ISLANDS
CX	URUGUAY	LZ	BULGARIA	VQ9	SEYCHELLES
DL	GERMANY	MB9	AUSTRIA	VR1	GILBERT ELLICE & OCEAN ISLANDS
DU	PHILIPPINE ISLANDS	MD4	SOMALIA	VR2	FIJI ISLANDS
EA	SPAIN	MD5	SUEZ CANAL ZONE	VR3	FANNING ISLAND
EA6	BALEARIC ISLANDS	MD6	IRAQ	VR4	SOLOMON ISLANDS
EA8	CANARY ISLANDS	MF2	TRIESTE ((British))	VR5	TONGA (Friendly) ISLAND
EA9	SPANISH MOROCCO	MI3	ERITREA	VR6	PITCAIRN ISLAND
EI	IRELAND	MP4	BAHREIN IS. & OMAN	VS1	SINGAPORE
EL	LIBERIA	OA	PERU	VS2	MALAYAN UNION
EQ	IRAN (ex Persia)	OH	FINLAND	VS4	BRITISH NORTH BORNEO
ET	ETHIOPIA	OE	AUSTRIA	VS5	BRUNEI & SARAWAK
FA	FRANCE	OD5	LEBANON	VS6	HONG KONG
FB8	ALGERIA	OK	CZECHOSLOVAKIA	VS7	CEYLON
FC	MADAGASCAR	ON	BELGIUM	VS9	ADEN & SOCOTRA ISLANDS
FD8	CORSICA	OQ5	BELGIAN CONGO	VU	INDIA
FE8	FRENCH TOGOLAND	OX	GREENLAND	VU4	LACCADIVE ISLANDS
FE8	FRENCH CAMEROONS	OY	FAEROES ISLANDS	VU5	ANDAMAN ISLANDS
FF8	FRENCH WEST AFRICA	OZ	DENMARK	W	UNITED STATES
FG8	GUADELOUPE	PA, PI	NETHERLANDS	XE	MEXICO
FI8	FRENCH INDO-CHINA	PJ	NETH. WEST INDIES	XZ	BURMA
FKS	FRENCH-AUSTRIA	PK1, 2, 3	JAVA	YA	AFGHANISTAN
FK8	NEW CALEDONIA	PK4	SUMATRA	YI	IRAQ
FL8	FRENCH SOMALILAND	PK5	BORNEO (Neth. Indies)	YJ	NEW HEBRIDES
FM8	MARTINIQUE	PK6	CELEBES & MOLUCCA ISLANDS	YK	SYRIA
FN	FRENCH INDIA	PK7	NETHERLAND NEW GUINEA	YN	NICARAGUA
FO8	TAHITI	PX	ANDORRA	YO	ROUMANIA
FP8	MIQUELON & ST. PIERRE IS.	PY	BRAZIL	YS	SALVADOR
FQ8	FRENCH EQUATORIAL AFRICA	PZ	SURINAM	YT, YU	YUGOSLAVIA
FR8	REUNION ISLAND	SM	SWEDEN	YV	VENEZUELA
FU8	NEW HEBRIDES	SP	POLAND	ZA	ALBANIA
FY7	FRENCH GUIANA	ST	SUDAN	ZB1	MALTA
G	ENGLAND	SU	EGYPT	ZB2	GIBALTAR
GC	CHANNEL ISLANDS	SV	CRETE & GREECE	ZC1	TRANSJORDAN
GD	ISLE OF MAN	SV5	DODECANESE ISLANDS	ZC2	COCOS ISLANDS
GI	NORTHERN IRELAND	TA	TURKEY	ZC3	CHRISTMAS ISLAND
GM	SCOTLAND	TF	ICELAND	ZC4	CYPRUS
GW	WALES	TG	GUATEMALA	ZD1	SIERRA LEONE
HA	HUNGARY	TI	COSTA RICA	ZD2	NIGERIA
Hb	SWITZERLAND	TT	TANNU TUVA	ZD3	GAMBIA
HC	ECUADOR	UA1-3-4-6	EUROPEAN RUSSIAN SOCIALIST FEDERATED SOVIET REPUBLIC	ZD4	GOLD COAST & TOGOLAND
HEI	LIECHTENSTEIN	UA9-9	ASIATIC RUSSIAN S. F. S. R.	ZD6	NYASALAND
HH	HAITI	UB5	UKRAINE	ZD7	SAINT HELENA
HI	DOMINICAN REPUBLIC	UC5	WHITE RUSSIAN S.S.R.	ZD8	ASCENSION ISLAND
HK	COLOMBIAN REPUBLIC	UD6	AZERBAIJAN	ZD9	TRISTAN DA CUNHA
HL1	KOREA	UF6	GEORGIA	ZE	SOUTHERN RHODESIA
HP	PANAMA	UG6	ARMENIA	ZK1	COOK ISLANDS
HR	HONDURAS	UH8	TURKOMAN	ZK2	NIUE
HS	SIAM	UI8	UZBEK	ZL	NEW ZEALAND
HV	VATICAN CITY	UJ8	TADZHIK	ZM	WESTERN SAMOA
HZ	SAUDI ARABIA	UL7	KAZAKH	ZP	PARAGUAY
I	ITALY	UMB	KIRGHIZ	ZS	UNION OF SOUTH AFRICA
K	UNITED STATES	UN1	KARELO-FINNISH REPUBLIC	3A2	MONACO
KA	JAPAN	UO5	MOLDAVIA	3V8	TUNISIA
KB6	BAKER, CANTON, ENDERBURY, HOWLAND & PHOENIX ISLANDS	UP	LITHUANIA	4X4	ISRAEL
KC4	ANTARCTICA	UQ	LATVIA	5A2	LIBYA
KC6	CAROLINE ISLANDS	UR	ESTONIA	9S4	SAARLAND
KG4	GUANTANAMO BAY, CUBA	VE	CANADA		



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PREFIXES—BY COUNTRIES

The following countries listed in alphabetical order by country show international radio amateur prefixes. Characters in () designate the continent and zone in which the country is located. Abbreviations are as follows: A—Asia, AF—Africa, E—Europe, NA—North America, O—Oceania, SA—South America.

ADEN (A-21) VS9	GUADELOUPE (NA-8) FG8	RHODESIA, NORTHERN (AF-36) VQ2
AFGHANISTAN (A-21) YA	GUAM (O-27) KG6	RHODESIA, SOUTHERN (AF-38) ZE
ALASKA (NA-1) KL7	GUANTANAMO BAY (NA-8) KG4	ROUMANIA (E-20) YO
ALBANIA (E-15) ZA	GUATEMALA (NA-7) TG	RYUKYU ISLANDS (A25) KR6
ALGERIA (AF-33) FA	GUIANA, BRITISH (SA-9) VP3	SAARLAND (E-14) 9S4
ANDORRA (E-14) PX	GUIANA, FRENCH (SA-9) FY7	SAINT HELENA (AF-36) ZD7
ANGLO-EGYPTIAN SUDAN (AF-34) ST	GUIANA, NETHERLANDS (SA-9) PZ	SAIPAN ISLAND (O-27) KG6S
ANGOLA (AF-36) CR6	GUINEA, PORTUGUESE (AF-35) CR5	SALVADOR (NA-7) YS
ARGENTINA (SA-13) LU	HAITI (NA-8) HH	SAMOA (U.S.) (O-32) KS6
ASCENSION ISLAND (AF-36) ZD8	HAWAIIAN ISLANDS (O-31) KH6	SAMOA (Western) (O-32) ZM
AUSTRALIA (O-29 & 30) VK	HONDURAS (NA-7) HR	SARAWAK (O-28) VS
AUSTRIA (E-15) OE	HONG KONG (A-24) VS6	SAUDI ARABIA (A-21) HZ
AZORES ISLANDS (E-14) CT2	HOWLAND ISLAND (O-31) KB6	SCOTLAND (E-14) GM
BAHAMA ISLANDS (NA-8) VP7	HUNGARY (E-15) HA	SEYCHELLES (AF-39) VQ9
BAHRAIN ISLANDS (AF-21) MP4	ICELAND (E-40) TF	SIAM (A-26) HS
BAKER ISLAND (O-31) KB6	INDIA (A-21) VU	SIERRA LEONE (AF-35) ZD1
BALEARIC ISLANDS (E-14) EA6	IRAN (A-21) EQ	SIKKIM (A-22) AC3
BARBADOS (NA-8) VP6	IRAQ (A-21) YI	SOCOTRA ISLAND (AF-37) VS9
BASUTOLAND (AF-38) ZS4	IRELAND (E-14) EI	SOLOMON ISLANDS (O-28) VR4
BELGIAN CONGO (AF-36) OQ	ISLE OF MAN (E-14) GD	SOMALILAND, British (AF-37) VQ6
BELGIUM (E-14) ON	ISRAEL (A-20) 4X4	SOMALILAND, French (AF-37) FL8
BERMUDA ISLANDS (NA-5) VP9	ITALY (E-15) I	SOMALILAND, Italian (AF-37) IS
BOLIVIA (SA-10) CP	IWO JIMA ISLAND (O-25) KG6I	SOUTH GEORGIA (SA-13) VP8
BORNEO (Br. North) (O-28) VS4	JAMAICA (NA-8) VP5	SOUTH ORKNEY ISLANDS (SA-13) VP8
BORNEO (Neth. Indies) (O-28) PK5	JAN MAYEN ISLAND (E-40) OY	SOUTH SANDWICH ISLANDS (SA-13) VP8
BRAZIL (SA-11) PY	JAPAN (A-25) KA	SOUTH SHETLAND ISLANDS (SA-13) VP8
BRITISH HONDURAS (NA-7) VP1	JARVIS ISLAND (O-31) KP6	SOUTHWEST AFRICA (AF-38) ZS3
BRUNEI (O-28) VS5	JAVA (O-28) PK1, 2, 3	
BULGARIA (E-20) LZ	JOHNSTON ISLAND (O-31) KJ6	
BURMA (A-26) XZ		
CAMEROONS, British (AF-36) ZD2	KENYA (AF-37) VQ4	SOVIET UNION:
CAMEROONS, French (AF-36) FE8	KOREA (A-25) HL1	EUROPEAN RUSSIAN SOCIALIST
CANADA (NA-1 to 5) VE	LABRADOR (NA-2) VO	FEDERATED SOVIET REP. (E-16) UA1, 3, 4, 6
CANAL ZONE (NA-7) KZ5	LACCADIVE ISLANDS (A-22) VU4	ASIATIC RUSSIAN S.F.S.R. (A-18, 19) UA9, 6
CANARY ISLANDS (AF-33) EA8	LEBANON REPUBLIC (A-20) OD5	UKRAINE (E-16) UB5
CANTON ISLAND (O-31) KB6	LEEWARD ISLANDS (NA-8) VP2	WHITE RUSSIAN S.S.R. (E-16) UC
CAPE VERDE ISLANDS (AF-35) CR4	LIBERIA (AF-35) EL	AZERBAIJAN (E-21) UD6
CAROLINE ISLANDS (O-27) KC6	LIBYA (AF-34) 5A2	GEORGIA (E-21) UF6
CAYMAN ISLANDS (NA-8) VP5	LIECHTENSTEIN (E-14) HE1	ARMENIA (E-21) UG6
CELEBES (O-28) PK6	LITTLE AMERICA (SA-13) KC4	TURKOMAN (A-17) UH8
CEYLON (A-22) VS7	LUXEMBOURG (E-14) LX	UZBEK (A-17) UI8
CHAGOS ISLANDS (AF-39) VQ8	MACAU (A-24) CR9	TADZHIK (A-17) UJ8
CHANNEL ISLANDS (E-14) GC	MADAGASCAR (AF-39) FB8	KAZAKH (A-17) UL7
CHILE (SA-12) CE	MADERA ISLANDS (AF-33) CT3	KIRGHIZ (A-17) UM8
CHINA (A-23 & 24) C	MALAYA (A-28) VS1, 2	KARELO-FINNISH REP. (E-16) UN1
CHRISTMAS ISLAND (O-31) ZC3	MALDIVES ISLANDS (A-22) VS9	MOLDAVIA (E-16) UO5
COCOS ISLAND (NA-7) TI	MALTA (E-15) ZB1	LITHUANIA (E-15) UP
COCOS ISLANDS (O-29) ZC2	MARIANAS ISLANDS (O-27) KG6	LATVIA (E-15) UQ
COLOMBIA (SA-9) HK	MARSHALL ISLANDS (O-31) KX6	ESTONIA (E-15) UR
COOK ISLANDS (O-32) ZKI	MARTINIQUE (NA-8) FM8	SPAIN (E-14) EA
CORSICA (E-15) FC	MAURITIUS (AF-39) VQ8	SUMATRA (O-28) PK4
COSTA RICA (NA-7) TI	MEXICO (NA-6) XE	SWAN ISLAND (NA-7) KS4
CRETE (E-20) SV	MIDWAY ISLAND (O-31) KM6	SWEDEN (E-14) SM
CUBA (NA-8) CM, CO	MIQUELON ISLAND (NA-5) FP8	SWITZERLAND (E-14) HB
CYPRUS (A-20) ZC4	MONACO (E-14) 3A2	SYRIA (A-20) YK
CZECHOSLOVAKIA (E-15) OK	MOROCCO, French (AF-33) CN	
DENMARK (E-14) OZ	MOROCCO, Spanish (AF-33) EA9	TANGANYIKA (AF-37) VQ3
DODECANESE ISLANDS (E-20) SV5	MOZAMBIQUE (AF-37) CR7	TANGIER ZONE (AF-33) CN2
DOMINICAN REPUBLIC (NA-8) HI		TANNU TUVA (A-23) TT
ECUADOR (SA-10) HC	NETHERLANDS (E-14) PA	TIBET (A-23) AC4
EGYPT (AF-34) SU	NETHERLAND W. INDIES (SA-9) PJ	TIMOR, Portuguese (O-28) CR10
ELLICE ISLANDS (O-31) VR1	NEW CALEDONIA (O-32) FK8	TINIAN ISLAND (O-27) KG6T
ENGLAND (E-14) G	NEWFOUNDLAND (NA-5) VO	TOGOLAND, French (AF-35) FD8
ERITREA (AF-37) M13	NEW GUINEA, Netherlands (O-28) PK6	TONGA (Friendly) ISLANDS (O-32) VR5
ETHIOPIA (AF-37) ET	NEW GUINEA, Territory of (O-28) VK9	TRANSJORDAN (A-20) ZC1
	NEW HEBRIDES (O-32) FU8, YJ	TRIESTE (E-15) AG2 & MF2
FAEROES, The (E-14) OY	NEW ZEALAND (O-32) ZL	TRINIDAD & TOBAGO (SA-9) VP4
FALKLAND ISLANDS (SA-13) VP8	NICARAGUA (NA-7) YN	TRISTAN da CUNHA & COUGH ISLAND (AF-38) ZD9
FANNING ISLAND (O-31) VR3	NIGERIA (AF-35) ZD2	TUNISIA (AF-33) 3V8
FIJI ISLANDS (O-32) VR2	NIUE (O-32) ZK2	TURKEY (A-20) TA
FINLAND (E-15) OH	NORTH IRELAND (E-14) GI	TURKS & CAICOS ISLANDS (NA-8) VP5
FRANCE (E-14) F	NORWAY (E-14) LA	
FRENCH-AUSTRIA (E-15) FKS	NYASALAND (AF-37) ZD6	UGANDA (AF-37) VQ5
FR. EQUATORIAL AFRICA (AF-36) FQ8	OKINAWA (A-25) KR6	UNION OF SOUTH AFRICA (AF-38) ZS
FRENCH INDIA (A-22) FN	OMAN (A-21) MP4	UNITED STATES of AMERICA (NA-3, 4, 5) W, K
FRENCH INDO-CHINA (A-26) F18	PAKISTAN (A-21, 22) AP	URUGUAY (SA-13) CX
FRENCH OCEANIA (O-32) FO8	PANAMA (NA-7) HP	
FRENCH WEST AFRICA (AF-35) FF8	PAPUA TERRITORY (O-28) VK9	VATICAN CITY (E-15) HV
	PARAGUAY (SA-11) ZP	VENEZUELA (SA-9) YV
GAMBIA (AF-35) ZD3	PERU (SA-10) OA	VIRGIN ISLANDS (NA-8) KV4
GERMANY (E-14) DL	PHILIPPINE ISLANDS (O-27) DU	
GIBRALTAR (E-14) ZB2	PITCAIRN ISLAND (O-32) VR6	WAKE ISLAND (O-31) KW6
GILBERT ISLANDS (O-31) VR1	POLAND (E-15) SP	WALES (E-14) GW
GOA (Portuguese India) (A-22) CR8	PORTUGAL (E-14) CT1	WINDWARD ISLANDS (NA-8) VP2
GOLD COAST (AF-35) ZD4	PUERTO RICO (NA-8) KP4	
GREECE (E-20) SV	REUNION ISLAND (AF-39) FR8	YUGOSLAVIA (E-15) YT, YU
GREENLAND (NA-40) OX		ZANZIBAR (AF-37) VQ1

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You BETTER SERVICE



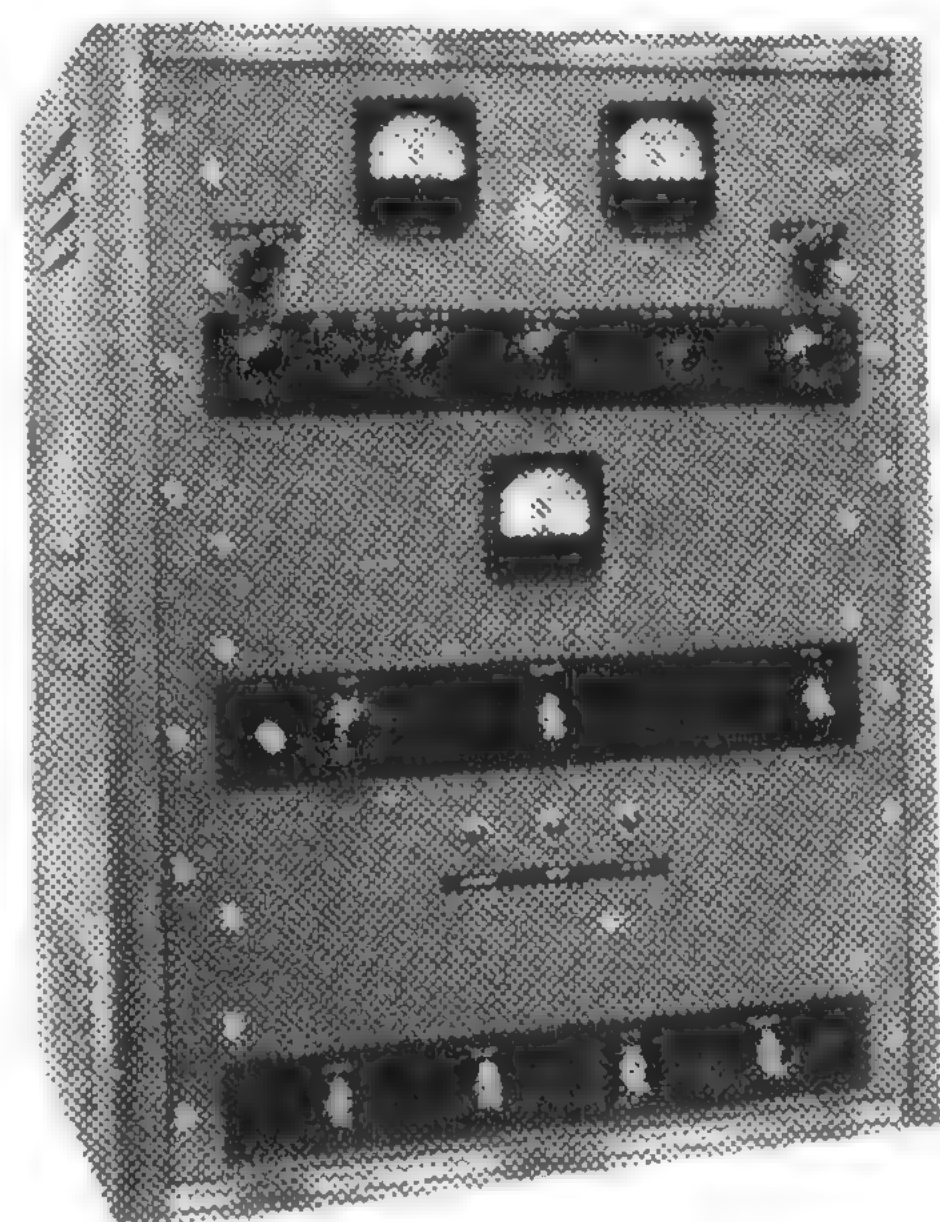
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LEO I. MEYERSON, WØGFQ

This modern new building is the recently completed home of World Radio Laboratories, located at 3415-27 West Broadway, Council Bluffs, Iowa. The new plant covers 30,000 square feet of floor space, all on one level, and houses all departments of WRL. A special feature of the new building is a modern Hi-Fi Sound Room and a special amateur display room with transmitting facilities available. There are 65 people on the WRL staff to serve you at all times, including 3 men with commercial tickets and 12 licensed amateurs, all of whom can answer any questions regarding Hi-Fi Sound, Amateur or Local electronic problems.

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NEW TVI MODEL 400C GLOBE KING TRANSMITTER



TVI SCREENED CABINET NOW
STANDARD EQUIPMENT

High Power — More Watts
Per Dollar

Our newest model with increased power — 400 watts Phone, 435 watts CW. Incorporates some of the latest TVI protective features. Efficient performance on all bands — 10 to 160 on phone and CW. Provisions for ECO. Complete with tubes, meters, and one set of coils.

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E-Z
PAYMENTS

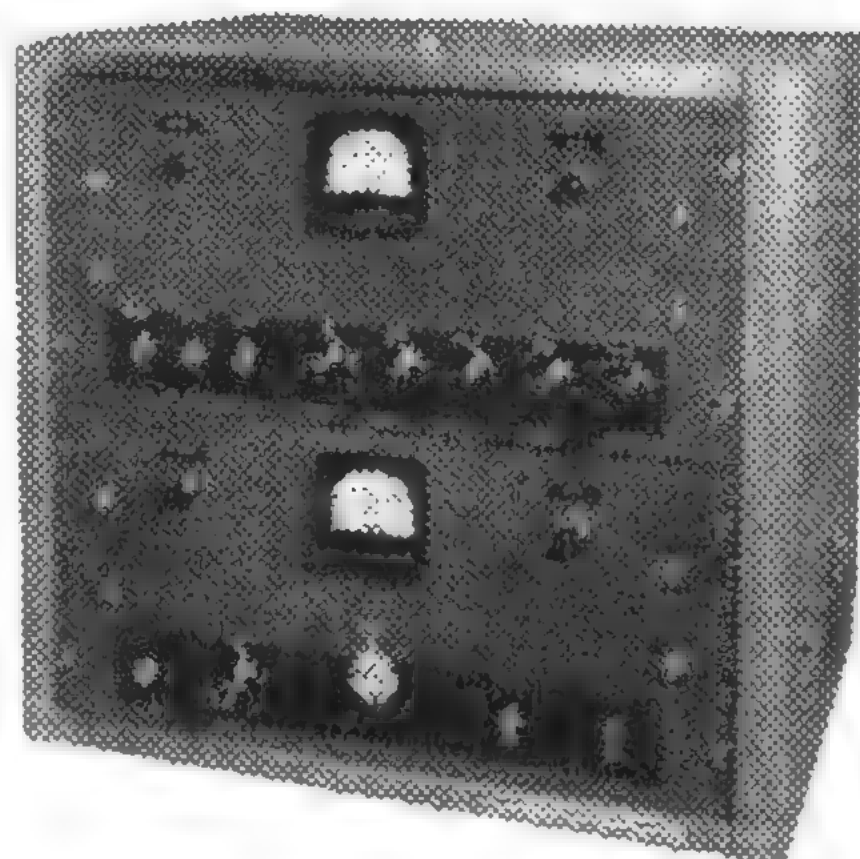
WRL 165 WATT GLOBE CHAMPION TRANSMITTER

MORE WATTS
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R.F. Section a complete 165 watt XMTR. Provisions for VFO. Automatic fixed bias on Final and Buffer. Class B Speech Modulator. 165 watt input — 10 thru 160 meter bands. Complete with tubes, meters and one set of coils.

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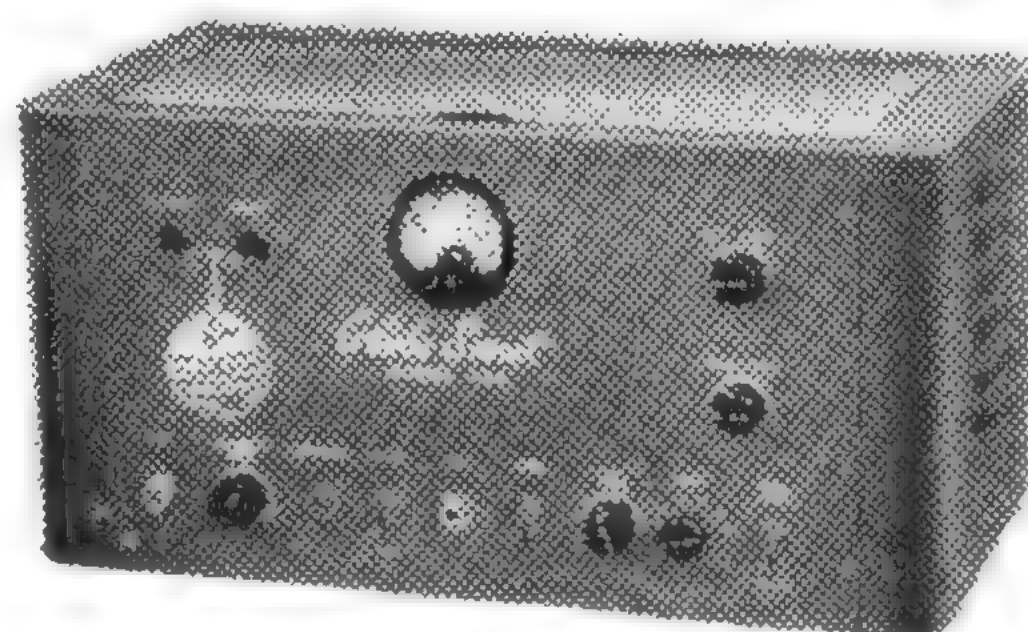
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Send for the new 1954 complete WRL catalog containing everything new in radio and television. Our new catalog is bigger than ever, jam-packed with bargains, completely indexed and arranged for quick easy reference. Send for your FREE catalog today!

LOW
DOWN
PAYMENTS

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Complete
Band Switching

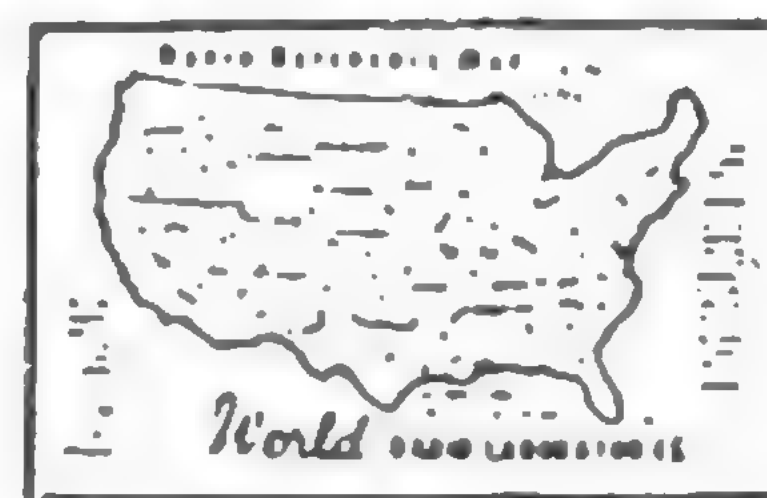


Latest triumph of the WRL engineering staff. Contains new 6146 tube in final; covers 160 M thru 10 M. Metering provided for final grid and final plate circuits. Combination pi-network antenna tuner assembly will work into any antenna impedance. 3 stage modulator allows complete modulation of the final. All main operating controls are on the front panel. Ideal XMTR for the novice or experienced Ham.

\$99.50 KIT FORM \$109.50 WIRED-TESTED



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☐ 1954 Catalog ☐ Globe Champion Info
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Address

City..... State.....

POSTAL INFORMATION

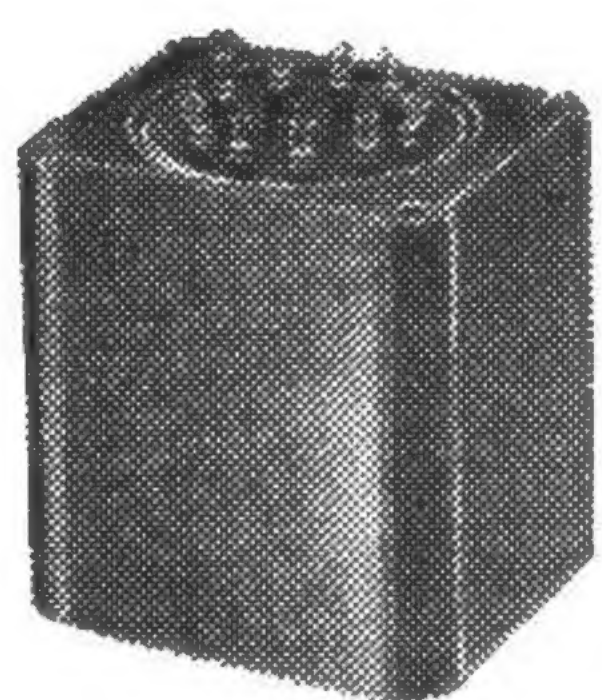
The following table shows the postal rates for QSL cards, first class letters and air mail to the United States Possessions and foreign countries. International reply coupons may be purchased at any United States Post office. Upon presentation at a post office in any country except Korea, the coupon will entitle the person presenting it to receive a postage stamp or stamps of that country of sufficient value to prepay an ordinary letter of the first unit of weight addressed for delivery in this country. The column marked "RP" shows the number of international reply coupons required to prepay an air mail letter of the first weight unit from the countries indicated to the United States. The first class rates show the rate for the first ounce. Add three cents for each additional ounce or fraction. The air mail rates are for each half ounce except where indicated.

COUNTRY	QSL cards	First class	Air mail	RP	COUNTRY	QSL cards	First class	Air mail	RP	COUNTRY	QSL cards	First class	Air mail	RP
ADEN	\$.03	\$.05	\$.25	7	FRENCH OCEANIA	.03	.05	.25	3	NORWAY	.03	.05	.15	2
AFGHANISTAN	.03	.05	.25	7	FRENCH SOMALILAND	.03	.05	.25	3	NYASALAND	.03	.05	.25	4
ALASKA	.02	.03	.06*		FRENCH SUDAN	.03	.05	.25	2	OKINAWA	.03	.05	.25	5
ALBANIA	.03	.05	.15	2	FRENCH TOGOLAND	.03	.05	.25	2	PAKISTAN	.03	.05	.25	5
ALGERIA	.03	.05	.15	2	GAMBIA	.03	.05	.25	6	PANAMA	.02	.03	.10	3
ANDORRA	.02	.03	.15	8	GERMANY	.03	.05	.15	2	PAPUA	.03	.05	.25	6
ANGLO-EGYPTIAN SUDAN	.03	.05	.25	4	GIBRALTAR	.03	.05	.15	3	PARAGUAY	.02	.03	.10	3
ANGOLA	.03	.05	.25	4	GILBERT & ELLICE IS.	.03	.05	.25	6	PERU	.02	.03	.10	5
ANGUILLA	.03	.05	.10	6	GOLD COAST COLONY	.03	.05	.25	11	PHILIPPINE IS.	.02	.03	.25	15
ANTIGUA	.03	.05	.10	6	GREECE	.03	.05	.15	2	POLAND	.03	.05	.15	3
ARGENTINA	.02	.03	.10	5	GRENADA, BWI	.03	.05	.10	3	PORTUGAL	.03	.05	.15	3
ARUBA	.03	.05	.10	1	GRENADINES, BWI	.03	.05	.10	3	PORT. EAST AFRICA	.03	.05	.25	3
AUSTRALIA	.03	.05	.25	4	GUADELOUPE	.03	.05	.10	2	PORTUGUESE GUINEA	.03	.05	.25	3
AUSTRIA	.03	.05	.15	2	GUAM	.02	.03	.06*		PORTUGUESE INDIA	.03	.05	.25	3
AZORES	.03	.05	.15	3	GUATEMALA	.02	.03	.10	2	PORTUGUESE TIMOR	.03	.05	.25	5
BAHAMAS	.03	.05	.10	2	HAITI	.02	.03	.10	2	PORTUGUESE W. AFRICA	.03	.05	.25	3
BAHREIN ISLANDS	.03	.05	.25	4	HAWAII	.02	.03	.06*		PUERTO RICO	.02	.03	.06*	
BALEARIC ISLANDS	.02	.03	.15	8	HONDURAS	.02	.03	.10	2	REDONDA, BWI	.03	.05	.10	6
BALUCHISTAN	.03	.05	.25	5	HONG KONG	.03	.05	.25	5	REUNION ISLAND	.03	.05	.25	3
BARBADOS	.03	.05	.10	2	HUNGARY	.03	.05	.15	3	RIO DE ORO	.02	.03	.25	10
BARBUDA	.03	.05	.10	2	ICELAND	.03	.05	.15	2	ROMANIA	.03	.05	.15	5
BECHUANALAND	.03	.05	.25	6	INDIA	.03	.05	.25	6	RYUKYU ISLANDS	.03	.05	.25	5
BELGIAN CONGO	.03	.05	.25	3	INDO-CHINA	.03	.05	.25	3	ST CHRISTOPHER, BWI	.03	.05	.10	6
BELGIUM	.03	.05	.15	2	INDONESIA	.03	.05	.25	4	ST HELENA	.03	.05	.25	6
BERMUDA	.03	.05	.10	3	IRAN	.03	.05	.25	5	ST KITS, BWI	.03	.05	.10	6
BOLIVIA	.02	.03	.10	3	IRAQ	.03	.05	.25	3	ST LUCIA, BWI	.03	.05	.10	4
BRAZIL	.02	.03	.10	3	ISRAEL	.03	.05	.25	2	ST PIERRE & MIQUELON	.03	.05	.08*	3
BRITISH CAMEROONS	.03	.05	.25	6	ITALY	.03	.05	.15	2	ST VINCENT, BWI	.03	.05	.10	4
BRITISH GUIANA	.03	.05	.10	4	IVORY COAST	.03	.05	.25	2	SALVADOR	.02	.03	.10	2
BRITISH HONDURAS	.03	.05	.10	2	JAMAICA	.03	.05	.10	2	SAMOA (Br.)	.03	.05	.25	
BRITISH SOMALILAND	.03	.05	.25	8	JAPAN	.03	.05	.25	4	SAN MARINO	.03	.05	.15	2
BR. VIRGIN ISLANDS	.03	.05	.10	6	JORDAN	.03	.05	.25	5	SARAWAK	.03	.05	.25	6
BRUNEI	.03	.05	.25	6	KENYA & UGANDA	.03	.05	.25	5	SAUDI ARABIA	.03	.05	.25	
BULGARIA	.03	.05	.15	3	KOREA	.03	.05	.25		SCOTLAND	.03	.05	.15	6
BURMA	.03	.05	.25	5	LABUAN	.03	.05	.25	6	SENEGAL	.03	.05	.25	2
CANADA	.02	.03	.06*	2	LATVIA	.03	.05	.15	4	SEYCHELLES	.03	.05	.25	3
CANAL ZONE	.02	.03	.06*		LEBANON	.03	.05	.25	3	SIERRA LEONE	.03	.05	.25	8
CANARY ISLANDS	.02	.03	.15	8	LIBERIA	.03	.05	.25	5	SOLOMON ISLANDS	.03	.05	.25	5
CANTON ISLAND	.02	.03	.06*		LIBYA	.03	.05	.15	5	SOMALIA	.03	.05	.25	5
CAPE VERDE ISLANDS	.03	.05	.25	3	LIECHENSTEIN	.03	.05	.15	2	SOUTHERN RHODESIA	.03	.05	.25	6
CAYMAN ISLANDS	.03	.05	.10	2	LITHUANIA	.03	.05	.15	4	SOUTHWEST AFRICA	.03	.05	.25	6
CEYLON	.03	.05	.25	7	LUXEMBOURG	.03	.05	.15	2	SPAIN	.02	.03	.15	8
CHILE	.02	.03	.10	6	MACAO	.03	.05	.25	3	SPANISH GUINEA	.03	.05	.25	10
CHINA	.03	.05	.25	4	MADAGASCAR	.03	.05	.25	4	STRAIT SETTLEMENTS	.03	.05	.25	5
COLOMBIA	.02	.03	.10	7	MADEIRA ISLANDS	.03	.05	.15	3	SURINAM	.03	.05	.10	3
COOK ISLANDS	.03	.05	.25	6	MALAYA	.03	.05	.25	5	SWEDEN	.03	.05	.15	2
CORSICA	.03	.05	.15	2	MALTA	.03	.05	.15	4	SWITZERLAND	.03	.05	.15	2
COSTA RICA	.02	.03	.10	3	MANCHURIA	.03	.05	.25	4	SYRIA	.03	.05	.25	3
CUBA	.02	.03	.08	3	MARTINIQUE	.03	.05	.10	2	TAIWAN (Formosa)	.03	.05	.25	4
CURACAO	.03	.05	.10	1	MAURITANIA	.03	.05	.25	2	TANGANYIKA	.03	.05	.25	5
CYPRUS	.03	.05	.25	3	MAURITIUS	.03	.05	.25	3	THAILAND	.03	.05	.25	3
CYRENAICA	.03	.05	.15	5	MEXICO	.02	.03	.06*	2	TIBET	.03	.05	.25	4
CZECHOSLOVAKIA	.03	.05	.15	2	MIDWAY ISLAND	.02	.03	.06*		TONGA ISLANDS	.03	.05	.25	5
DAHOMY	.03	.05	.25	2	MONACO	.03	.05	.15	2	TRIESTE	.03	.05	.15	2
DENMARK	.03	.05	.15	2	MONTERRAT, BWI	.03	.05	.10	6	TRINIDAD	.03	.05	.10	3
DODECANESE IS.	.03	.05	.15	2	MOROCCO, (Br. & Fr.)	.03	.05	.15	2	TRIPOLITANIA	.03	.05	.15	5
DOMINICA	.03	.05	.10	4	MOROCCO, (Spain)	.02	.03	.15	8	TRISTAN DA CUNHA	.03	.05	.25	
DOMINICAN REPUBLIC	.02	.03	.10	2	MOZAMBIQUE	.03	.05	.25	3	TUNISIA	.03	.05	.15	2
ECUADOR	.02	.03	.10	2	NAURU ISLAND	.03	.05	.25		TURKEY	.03	.05	.15	3
EGYPT	.03	.05	.15	2	NETHERLANDS	.03	.05	.15	3	TURKS ISLAND	.03	.05	.10	3
EIRE (Ireland)	.03	.05	.15	5	NETHERLANDS ANTILLES	.03	.05	.25	1	UGANDA	.03	.05	.25	5
ENGLAND	.03	.05	.15	6	NEVIS	.03	.05	.10	6	UNION OF SOUTH AFRICA	.03	.05	.25	8
ERITREA	.03	.05	.25		NEW CALEDONIA	.03	.05	.25	3	URUGUAY	.02	.03	.10	4
ESTONIA	.03	.05	.15	4	NEWFOUNDLAND	.02	.03	.06*	2	U.S.S.R.	.03	.05	.15	4
ETHIOPIA	.03	.05	.25	3	NEW GUINEA	.03	.05	.25	6	U. S. VIRGIN IS.	.02	.03	.06*	
FALKLAND ISLANDS	.03	.05	.10		NEW HEBRIDES	.03	.05	.25	3	VATICAN CITY	.03	.05	.15	2
FAEROES ISLANDS	.03	.05	.15	2	NEW ZEALAND	.03	.05	.25	6	VENEZUELA	.02	.03	.10	3
FIJI ISLANDS	.03	.05	.25	6	NICARAGUA	.02	.03	.10	3	WAKE ISLAND	.02	.03	.06*	
FINLAND	.03	.05	.15	2	NIGER	.03	.05	.25	2	YEMEN	.03	.05	.25	
FRANCE	.03	.05	.15	2	NIGERIA	.03	.05	.25	6	YUGOSLAVIA	.03	.05	.15	2
FRENCH CAMEROONS	.03	.05	.25		NORTH BORNEO	.03	.05	.25	7	ZANZIBAR	.03	.05	.25	6
FRENCH EQ. AFRICA	.03	.05	.25	3	NORTHERN IRELAND	.03	.05	.15	6					
FRENCH GUIANA	.03	.05	.10	2	NORTHERN RHODESIA	.03	.05	.25	7					
FRENCH GUINEA	.03	.05	.25	2										
FRENCH INDIA	.03	.05	.25											

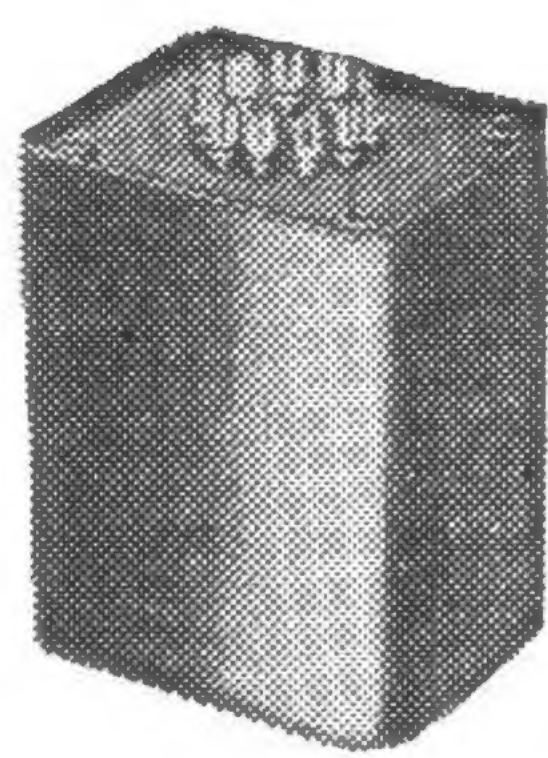
* rate per ounce.



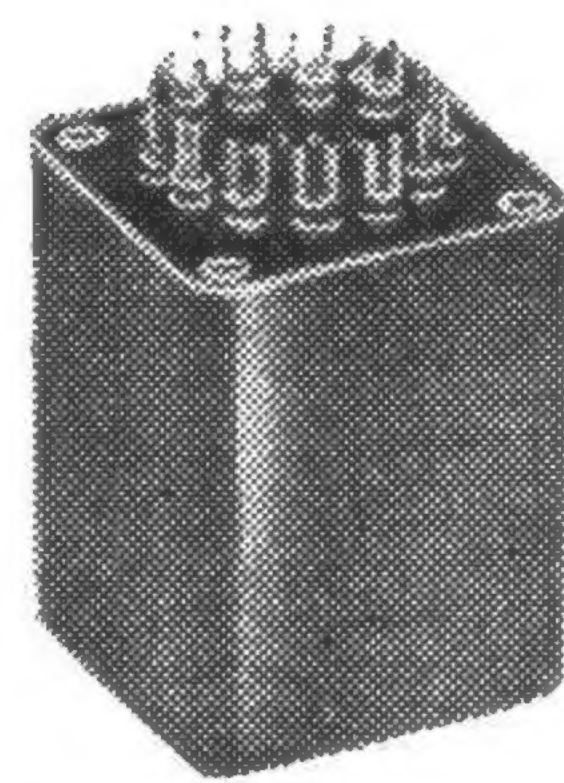
COMPONENTS FOR EVERY APPLICATION



LINEAR STANDARD
High Fidelity Ideal



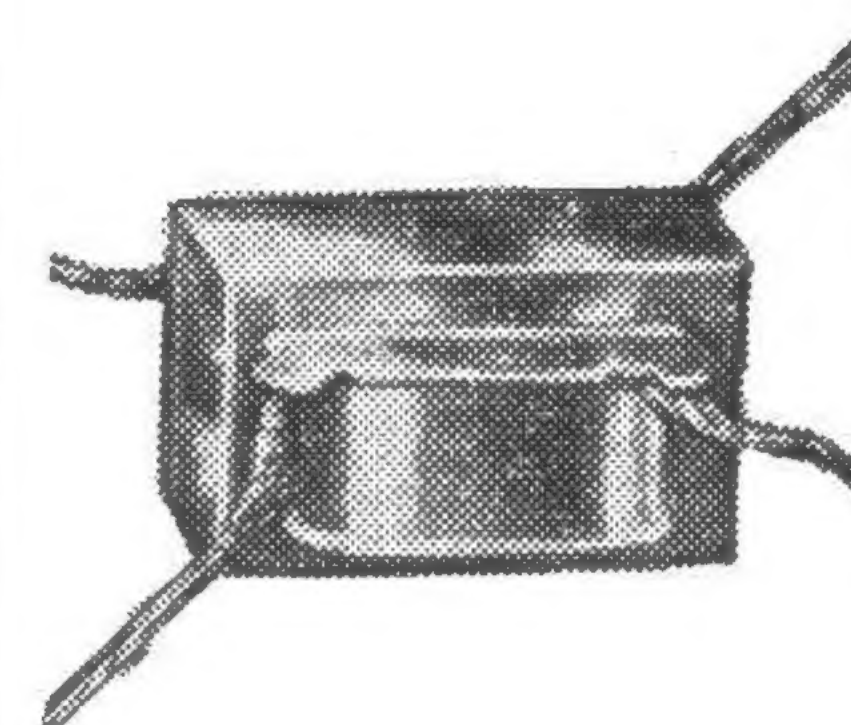
HIPERM ALLOY
High Fidelity . . . Compact



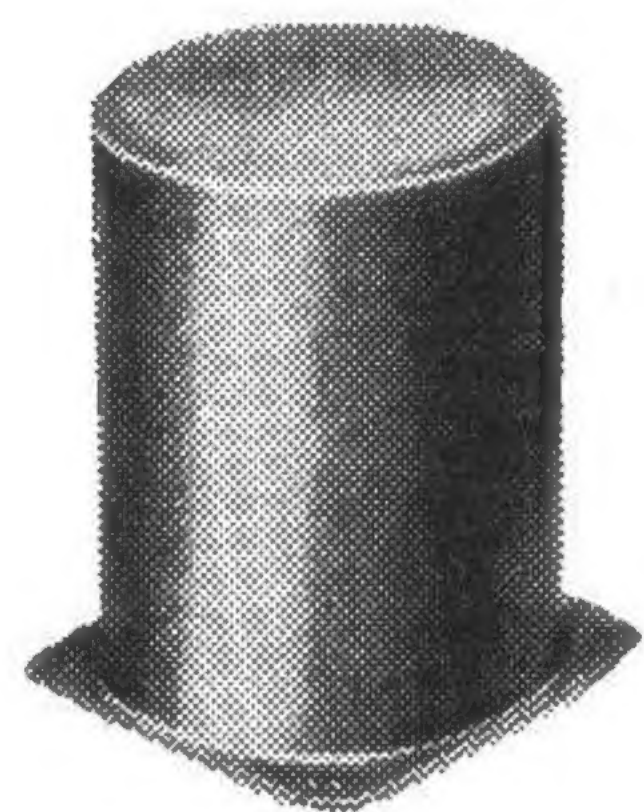
ULTRA COMPACT
Portable . . . High Fidelity



OUNCER
Wide Range . . . 1 ounce



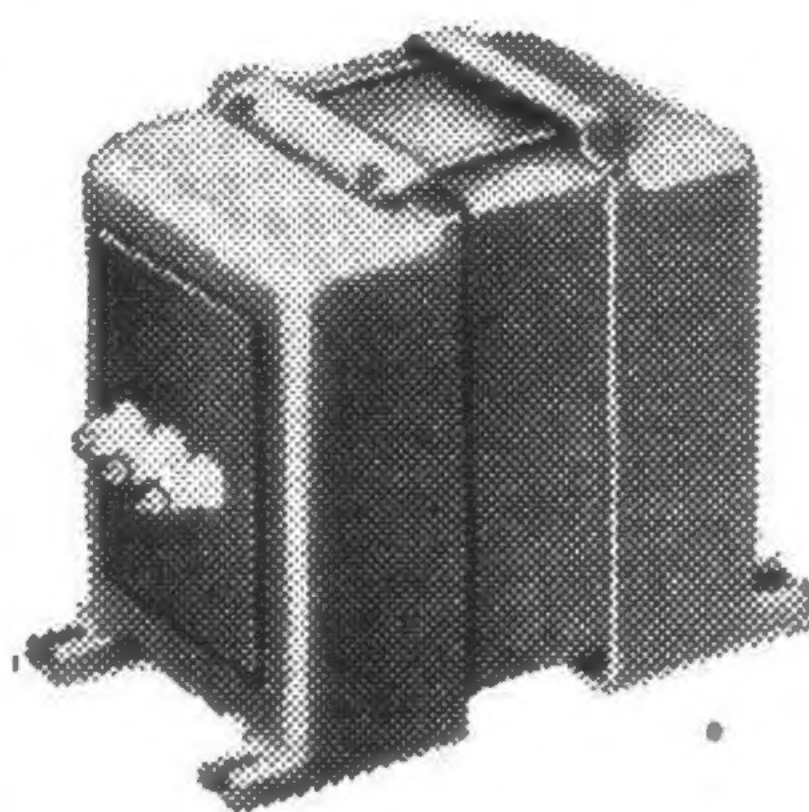
SUB OUNCER
Weight 1/3 ounce



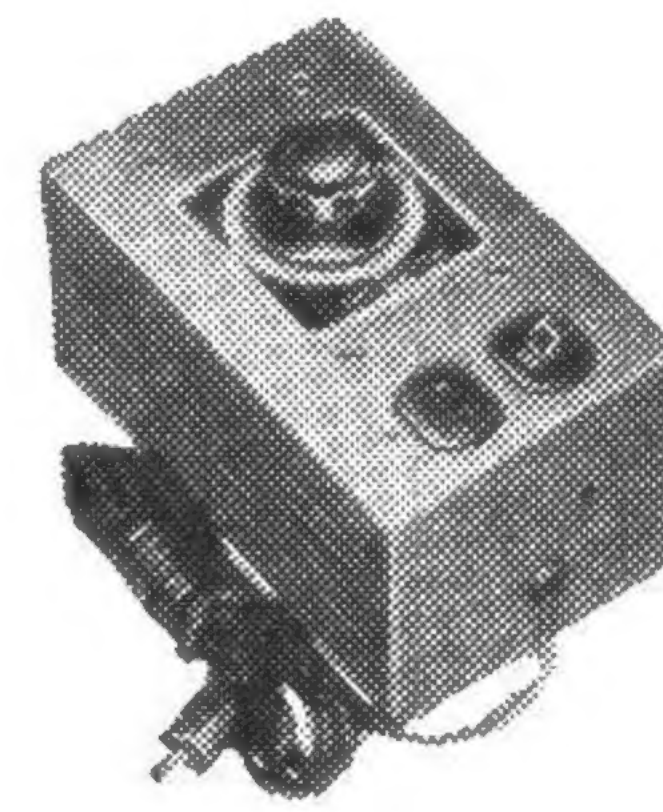
COMMERCIAL GRADE
Industrial Dependability



SPECIAL SERIES
Quality for the "Ham"



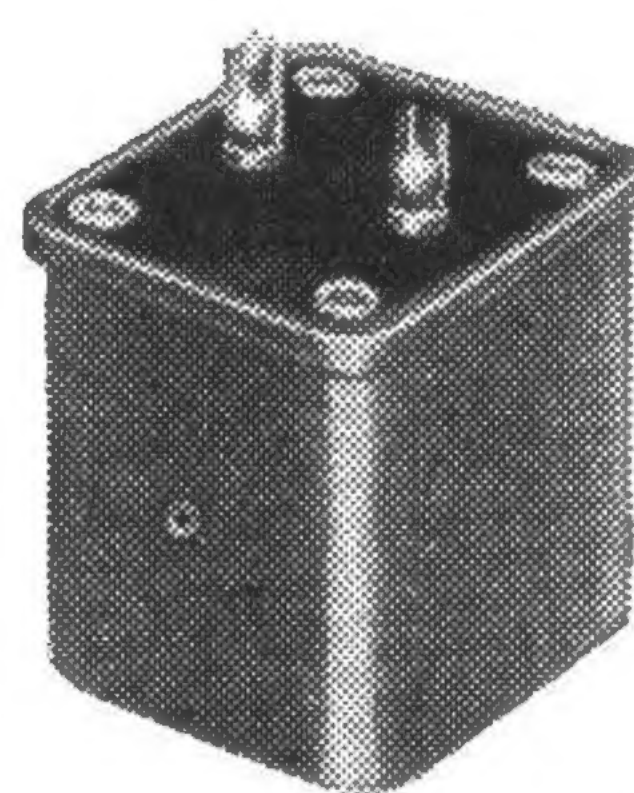
POWER COMPONENTS
Rugged . . . Dependable



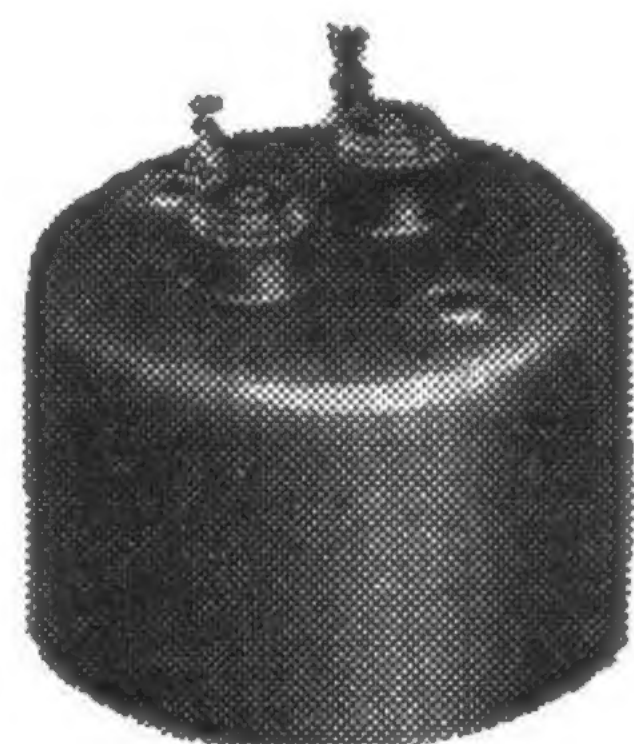
VARITRAN
Voltage Adjustors



MODULATION UNITS
One watt to 100KW



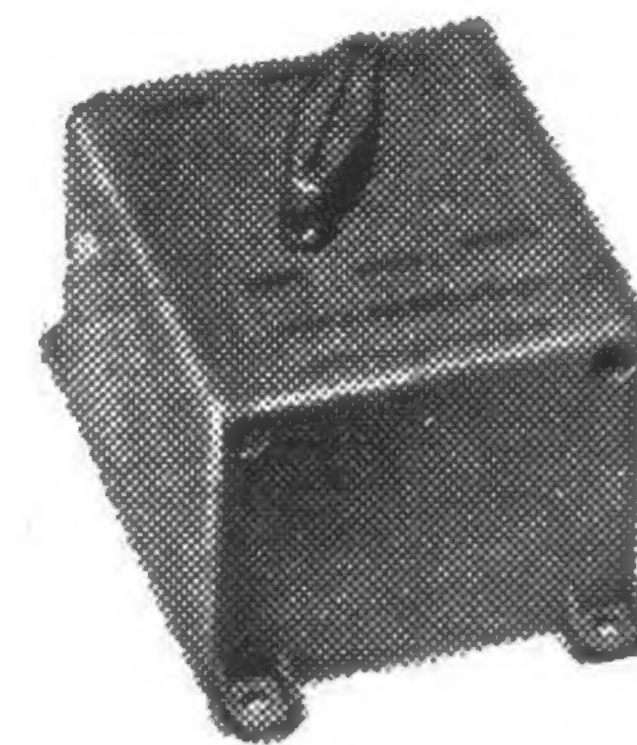
VARIABLE INDUCTOR
Adjust like a Trimmer



TOROID HIGH Q COILS
Accuracy . . . Stability



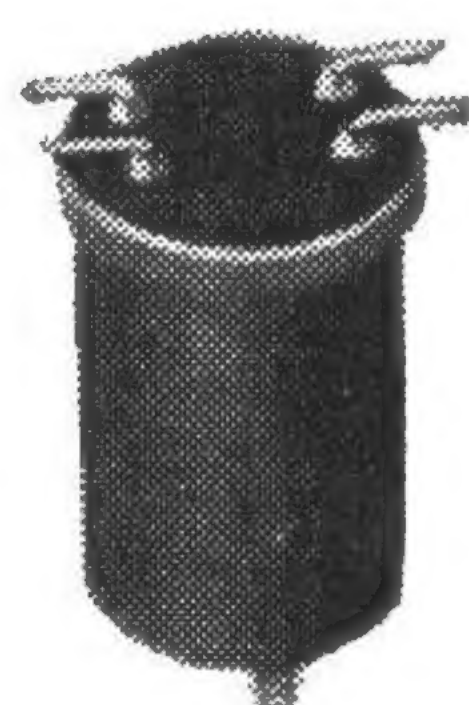
TOROID FILTERS
Any type to 300KC



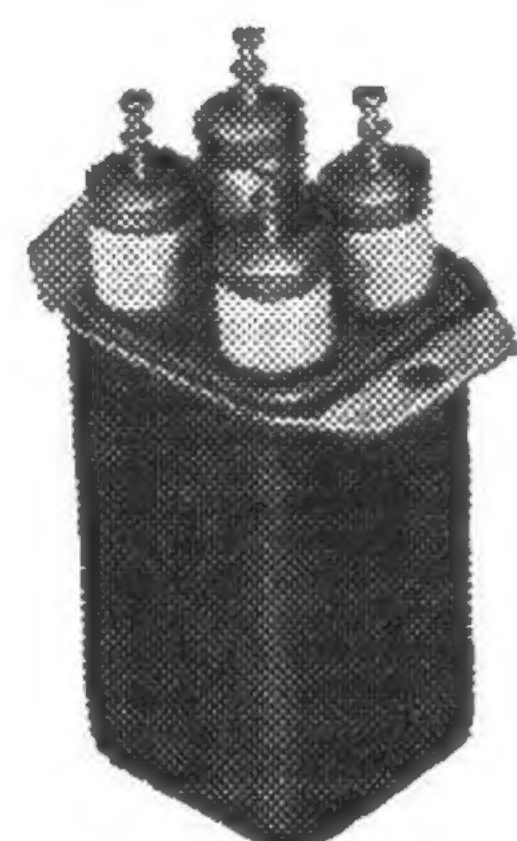
MU-CORE FILTERS
Any type 1/2 - 10,000 cyc.



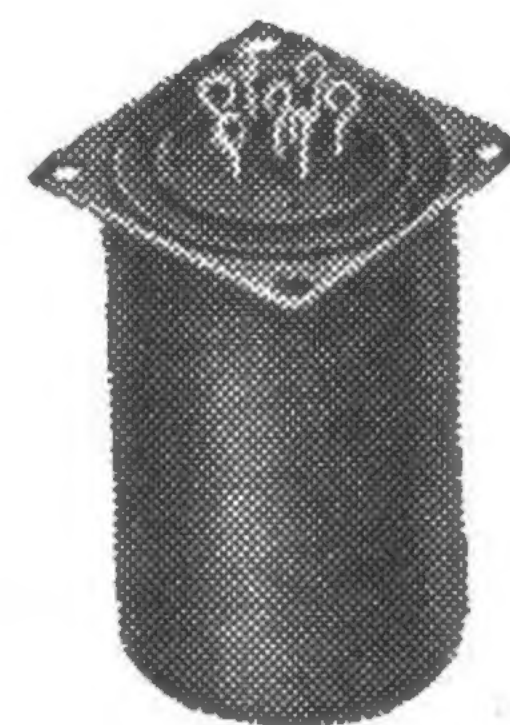
EQUALIZERS
Broadcast & Sound



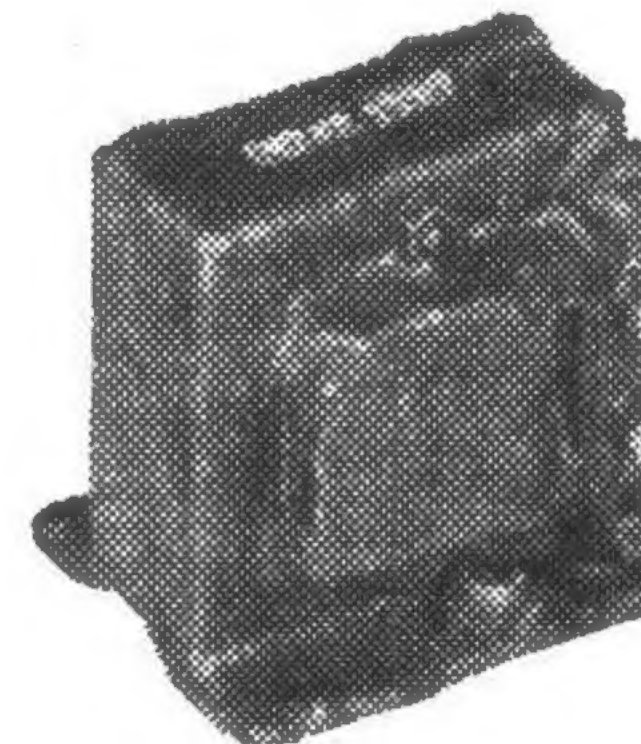
PULSE TRANSFORMERS
For all Services



HERMETIC COMPONENTS
Ceramic Terminals



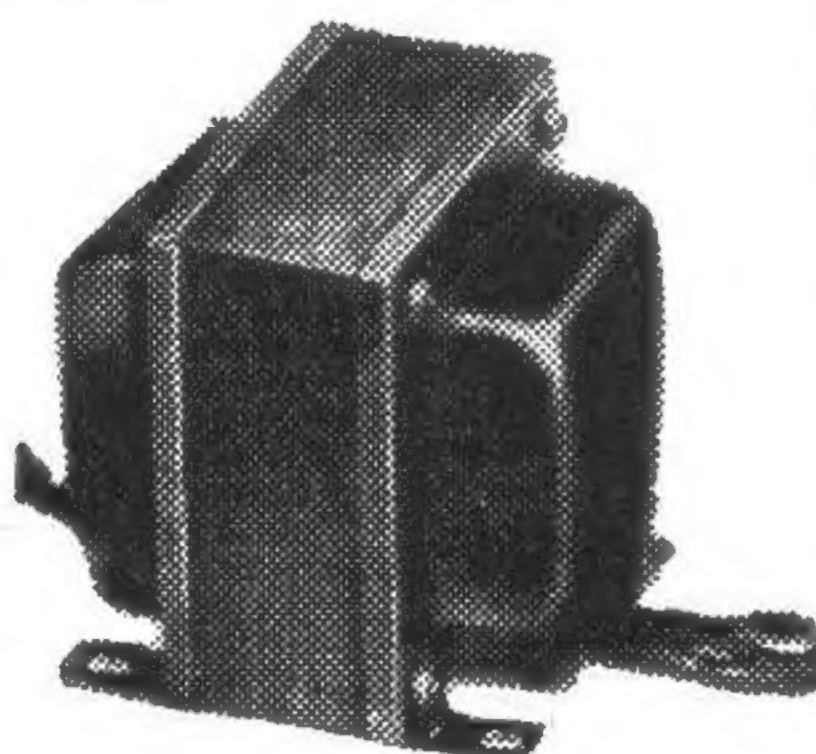
HERMETIC COMPONENTS
Glass Terminals



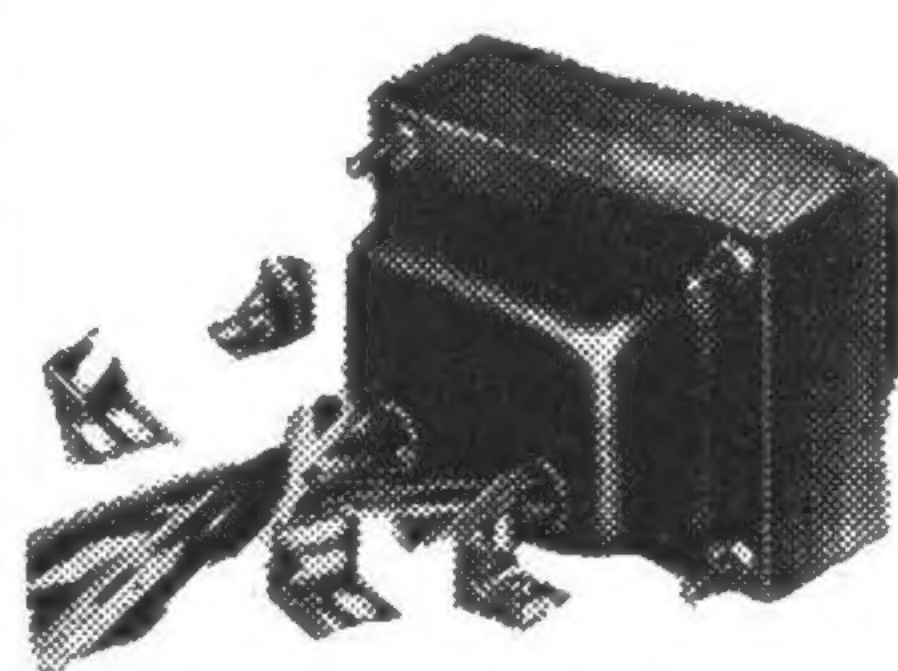
GRADE 3 JAN
Components



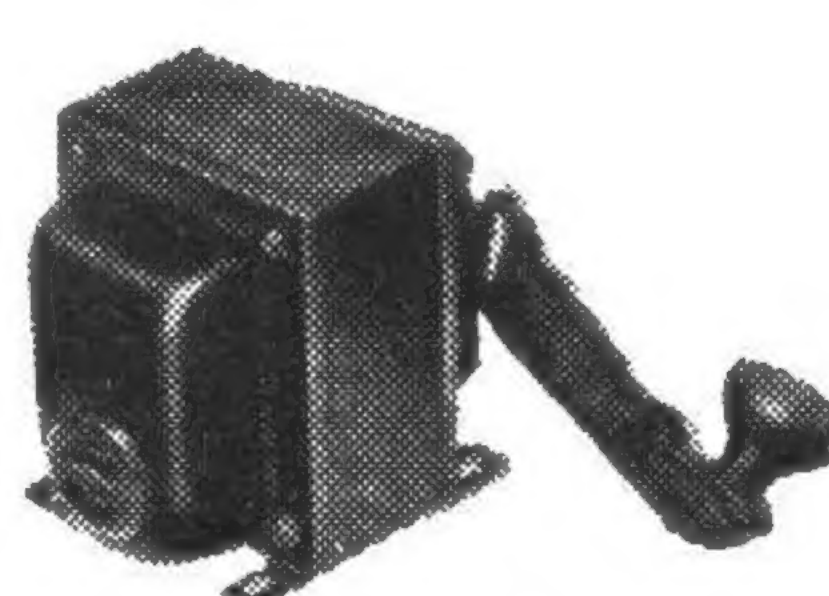
CABLE TYPE
For mike cable line



VERTICAL SHELLS
Husky . . . Inexpensive



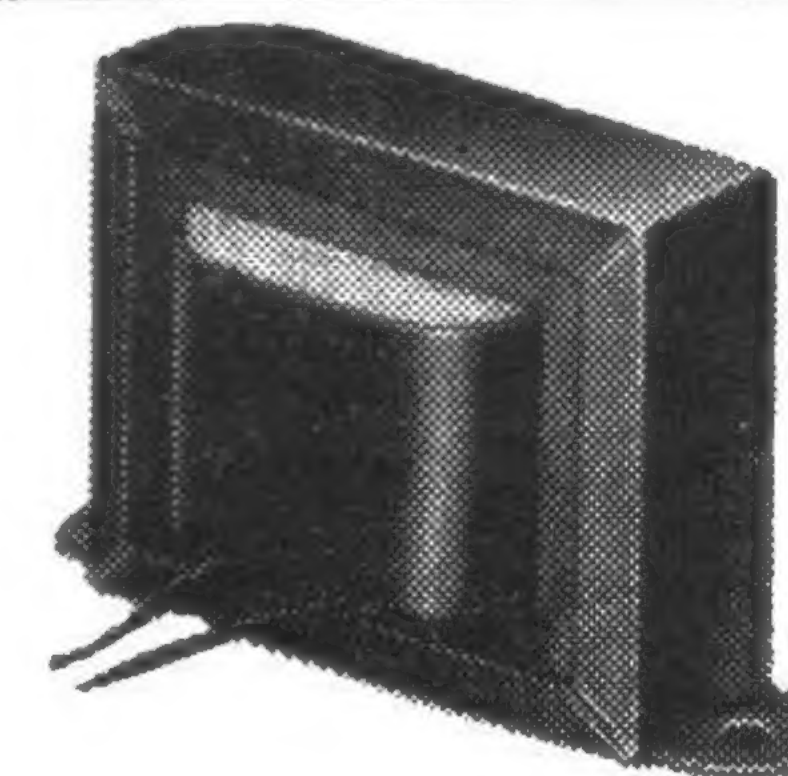
REPLACEMENT
Universal Mounting



STEP-DOWN
Up to 2500W . . . Stock



LINE ADJUSTORS
Match any line voltage



CHANNEL FRAME
Simple . . . Low cost

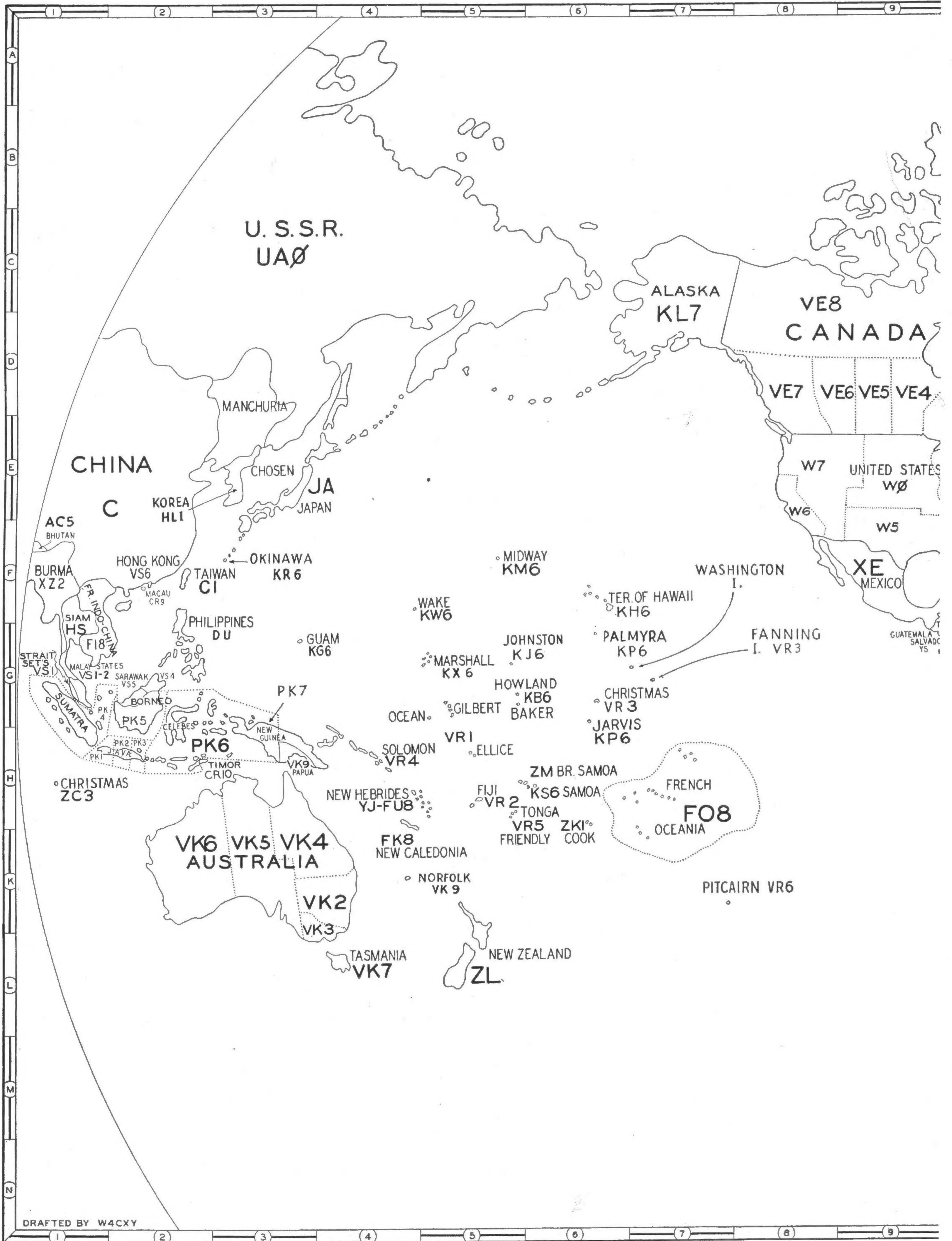
United Transformer Co.

150 VARICK STREET

NEW YORK 13, N. Y.

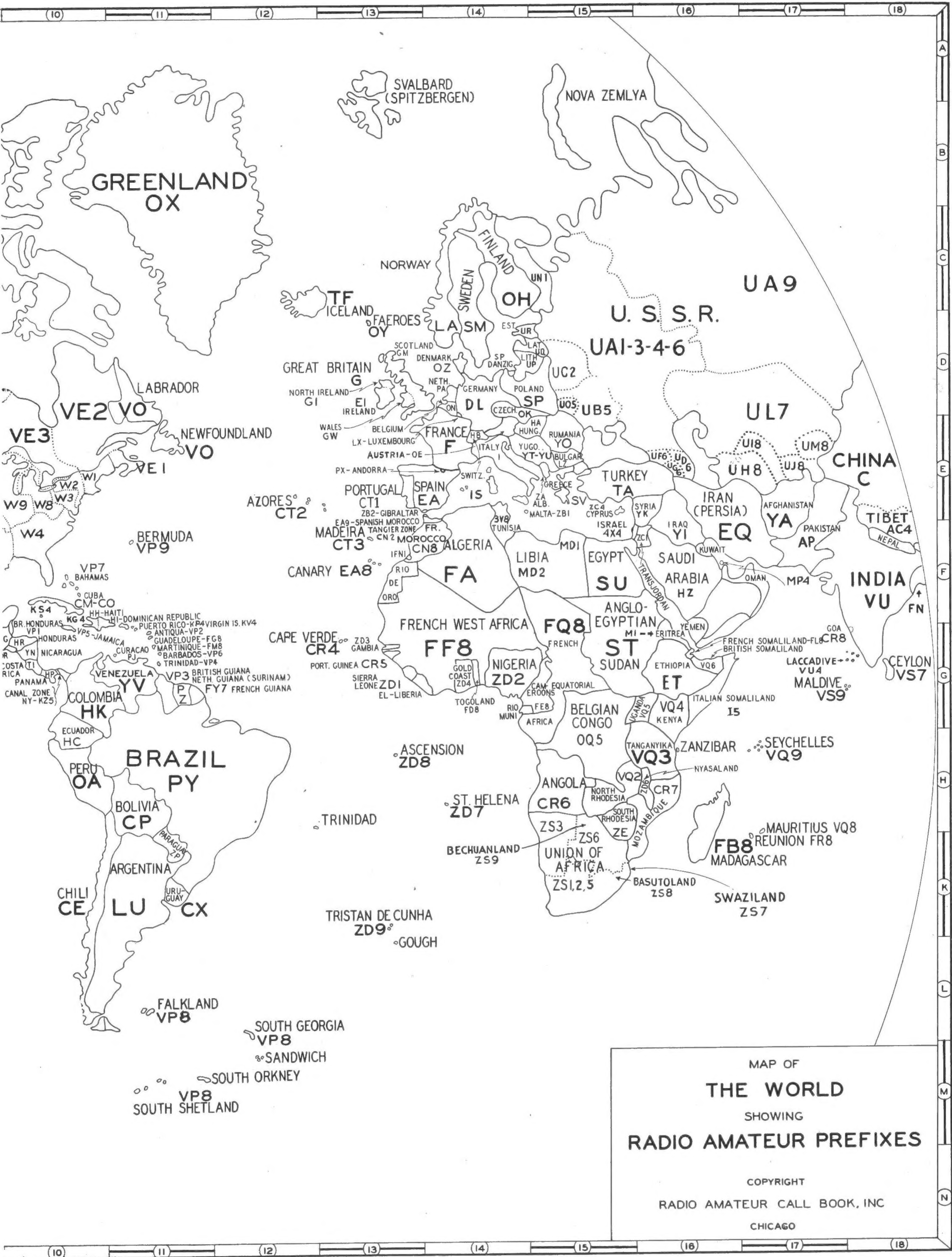
EXPORT DIVISION: 13 EAST 40th STREET, NEW YORK 16, N. Y., CABLES: "ARLAB"

WORLD MAP SHOWING



DRAFTED BY W4CXY

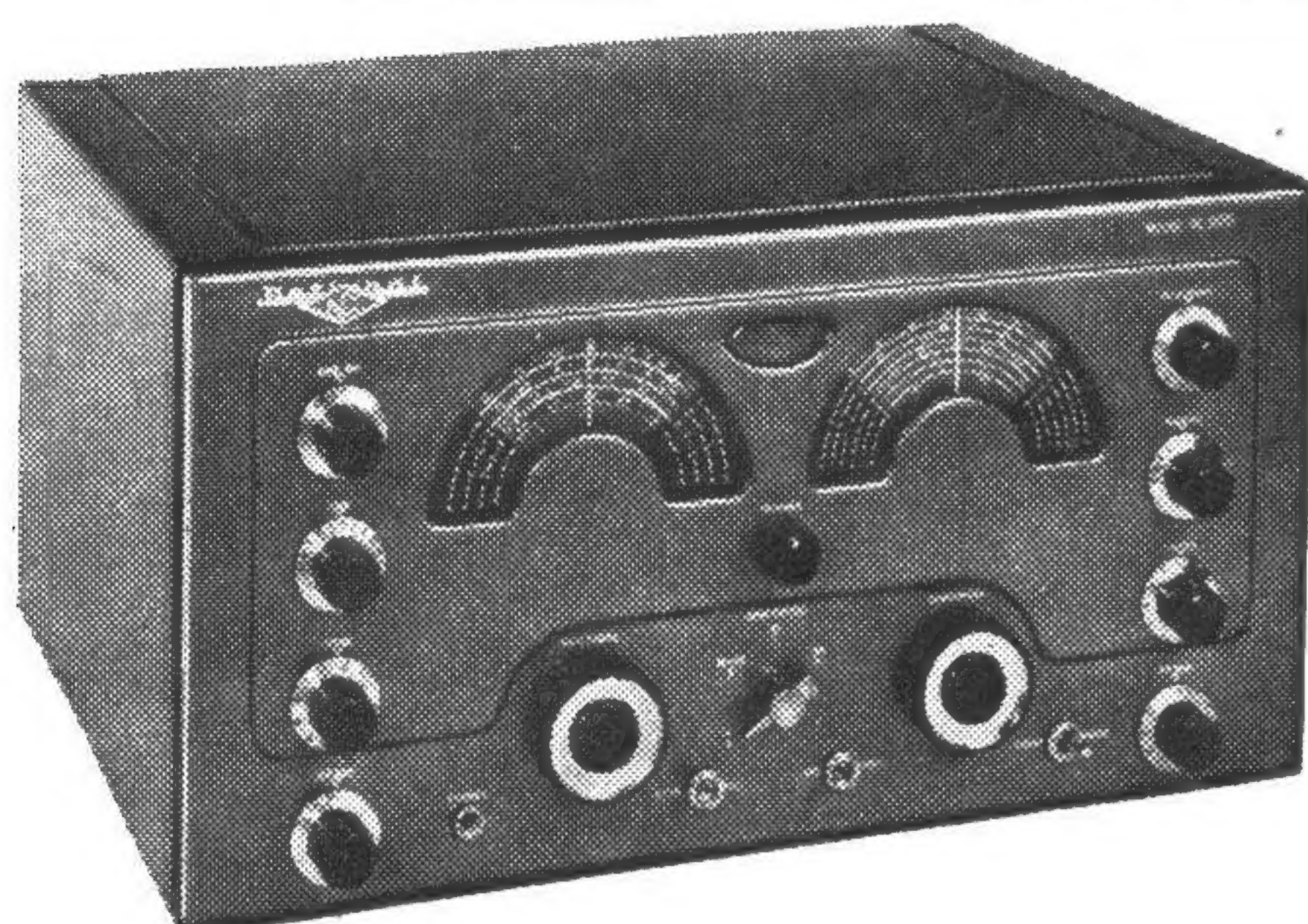
RADIO AMATEUR PREFIXES





NC-88 The "World Master". Compare feature for feature, dollar for dollar! Calibrated bandsread for 80, 40, 20, 15, 11 and 10 meter bands! Eight min. high gain tubes in advanced A.C. superhet circuit. Tuned R.F. stage. Two I.F. stages. Ant. trim. Sensitivity control. Noise limiter. Delayed A.V.C. Headphone jack. Standby-receive switch. Tone control. **\$129.95**

HRO-60 Latest and best of the world-famous HRO series — the finest general communication receiver money can buy! Utilizes dual conversion and 12 permeability tuned I. F. circuits for the highest skirt selectivity ever achieved! **\$533.50**
(less spkr.)



NC-183D One of the most popular amateur receivers ever designed. Includes every desirable feature — dual conversion, 12 tuned I. F. stages, temperature compensation, hi-fi audio. **\$383.50**
(less spkr.)

SW-54 The "Mighty Midget" — America's top receiver value. Covers, not one, but 3 short wave bands plus standard broadcast band — the entire range from 540 kcs. to 30 mcs.! Amateur, ship, foreign, police frequencies clearly marked. Measures only 11"x7"x7". **\$59.95**
(Inc. spkr. and power supply)



NC-125 Incorporates famed National Select-O-Ject for un-heard-of selectivity at the price! Edge-lighted, direct-reading scales show amateur, police, ship and foreign frequencies. **\$199.95**
(less spkr.)

*Slightly higher west of the Rockies.

Chosen by radio amateurs the world over — the U. S. Navy — Scotland Yard — major airports — movie makers — scientific adventures like Kon-Tiki... that's the colorful story behind National equipment — a story of superb performance and endurance!

